UNCLASSIFIED

AD NUMBER AD834358 **NEW LIMITATION CHANGE** TO Approved for public release, distribution unlimited **FROM** Distribution authorized to U.S. Gov't. agencies and their contractors; Administrative/Operational Use; Aug 1962. Other requests shall be referred to Central Intelligence Agency, Office of Central Reference, 2430 E. Street, NW, Washington, DC 20505. **AUTHORITY** CIA ltr, 7 Sep 2004

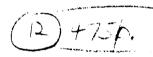
AD834358



CONSOLIDATED TRANSLATION SURVEY

Number 56.







Prupared by

Foreign Documents Division
CENTRAL INTELLIGENCE AGENCY
2430 E St., N. W., Washington 25, D. C.

141 500

elf

CONSOLIDATED TRANSLATION SURVEY

FOR AUGUST 1962

TABLE OF CONTENTS	Page
Notes concerning the survey	с
Request for copies	
USSR	
Economic	1
Political	34
Military	36
Geographic	37
Sociological	38
Biographic	41
Eastern Europe	
Economic	42
Political	61
Military	64
Geographic	64
Sociological	65
Biographic	66
Western Europe	
Economic	67
Political	70
Military	73
Geographic	74
Sociological	74
Biographic	74
Africa	
Economic	75
Political	75
Geographic	75
Socialogical	76

- a

	Page
Middle East	
Middle East	
Economic	77
Political	78
Sociological	79
Far East	
Economic	80
Political	95 *
Military	101
Sociological	102
Biographic	105
Latin America	
`Economic	106
Political	107
Military	108
North America	
Political	109
Sociological	109
Scientific	
Aeronautics	110
Astronomy	112
Biology	113
Chemistry	149
Electricity	179
Electronics	180
Engineering	189
Fuels	227
Geophysics	230
Mathematics	243
Medicine	245
Minerals/Metals	265
Nuclear Physics	286
Physics	292
Space Research	322
Miscellaneous	324
nformation on Cover-to-Cover Translations	328
uthor Index .	433

CONSOLIDATED TRANSLATION SURVEY

An author index to items in this issue is appended.

This Survey is prepared monthly by Foreign Documents Division, CIA, from lists received through cooperation of US government agencies and includes translations of such agencies, private industry, universities, research institutions, and commercial translation organizations. It is a compilation of foreign documentary projects, completed or started during the month preceding this publication.

Translations are listed by area and subject category. Scientific projects are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date and data of publication, and publication identification of the completed project are given when available.

Some of the above details may be unavailable on projects listed "in process." New projects in process will be listed only once, their subsequent listing being made when they are reported completed. Projects in process, i.e., not completed as of the date of this Survey, are noted with an asterisk (*), and when available, a project-control or "in-process" number is noted in parentheses following the title.

REQUESTS FOR COPIES

Requests for copies of published projects should be made direct to the designated producing organization.

All requests for items prefixed by "CIA" should be addressed to Office of Central Reference, 2430 E Street, NW, Washington, DC.

Addresses of producers follow:

ACIC

Aeronautical Chart and Information Center Order translations from Dept of Commerce Office Technical Services Washington 25, DC

ACSI

Department of Army Assistant Chief of Staff, Intelligence Intelligence Documents Branch Washington 25, DC

Requests from non-Government sources for Army documents should be ordered through

Dept of Commerce Office of Technical Services Washington 25, DC

ACSIL

Admiralty Center for Scientific Information and Liasion Queen Anne's Mansions St James Park London, SW 1, England 1

Acta Metallurgica

122 East 55th Street New York 22, New York

AEC - Atomic Energy Commission (see Department of Commerce)

AECL

Atomic Energy of Canad., Ltd. Chalk River Canada

AERE, Harwell

The Librarian
AERE, Ministry of Supply
Harwell, Didcot, Birks
England

AF

Department of Air Force Collection and Dissemination Assistant Chief of Staff, Intelligence ATTN: AFCIN 1B3 Washington 25, DC

AFCRL

Air Force Cambridge Research Laboratories Research Library Office of Aerospace Research United States Air Force Laurence G. Hanscom Field Bedford, Massachusetts ATTN: CRXLR

AGU

American Geophysical Union 1515 Massachusetts Avenue, NW Washington 5, DC

AIBS

American Institute of Biological Sciences 2000 P Street, NW Washington 6, DC

AIEE

American Institute of Electrical Engineers Special Subscription Department 41 East 28th Street New York 16, New York

е -

AIP

American Institute of Physics 335 East 45th Street New York 17, New York

Amer Math Soc

American Mathematical Society 190 Hope Street Providence 6, Rhode Island

AMS - Army Map Service (see ACSI)

API

Academic Press, Inc. 111 Fifth Avenue New York 3, New York

ARL

Aeronautical Research Laboratory Office of Aerospace Research United States Air Force Wright-Patterson Air Force Base, Ohio

ASME

American Society of Mechanical Engineers 29 West 39th Street New York, New York

AWRE - (see AEC)

Basic Books

59 4th Avenue New York 3, New York

BCIRA

British Cast Iron Research Association Bordesley Hall Alvechurch, Birmingham England

BISI

British Iron and Steel Institute 4 Grosvenor Gardens London, SW 1, England Broken Hill Prop Co Ltd. - (see CRL)

BUMED - Bureau of Medicine (see Navy)

BWRA

British Welding Research Association Abington Hall, Abington Cambridge, England

CB

Consultants Bureau, Inc. 227 West 17th Street New York 11, New York

Cleaver-Hume Press, Ltd

Cleaver-Hume Press, Ltd 31 Wright's Lane London, W88, England

CRL

Central Research Laboratories, Research Division Broken Hill Proprietary Co, Ltd, Shortland, 2N, N.S.W. (New South Wales) Australia

CSIRO

Commonwealth Scientific and Industrial Research Organization 314 Albert Street
East Melbourne, C 2 Victoria
Australia

CTT

Columbia Technical Translations 5 Vermont Avenue White Plains, New York

Dept of Com

Department of Commerce Office of Technical Service Washington 25, DC Dept of Int

Department of Interior Library Washington 25, DC

Dept of State

Department of State Division of Library and Reference Service 132 State Annex 1 Washington, DC

Derwent Information Service

Derwent Information Service Rochdale House, Theobolds Road London, WC 1, England

ERDL - Engr Res Dev Lab/Fort Belvoir (see ACSI)

Freeman, W. H. and Co.

W. H. Freeman and Company 660 Market Street San Francisco 4, California

FTD - Foreign Technology Division (see AF)

GB

Association of Special Libraries and Information Bureau 3 Belgrave Square London SX 1, England

Geochem Soc

Prof E. Wm. Heinrich Mineralogical Laboratory University of Michigan Ann Arbor, Michigan Gordon and Breach

Gordon and Breach Publishers, Inc. 150 Fifth Avenue New York 11, New York

Harper & Bros.

49 East 33rd Street New York 16, New York

HB

Henry Brutcher Technical Translation PO Box 157 Altadena, California

HO - Hydrographics Office (see Navy)

ID - Intelligence Document (see ACSI)

ΙP

1

Interscience Publishers Inc 250 Fifth Avenue New York 1, New York

ISA

Instrument Society of America 313 Sixth Avenue Pittsburgh 22, Pennsylvania

JHU/APL

The John Hopkins University/Applied Physics Laboratory - (see Navy)

JPRS

Joint Publications Research Service For non-scientific reports:

For scientific-technical reports:

Photoduplication Service Library of Congress Washington 25, DC Department of Commerce Office of Technical Services Washington 25, DC Maritime Adm

Maritime Administration Office Services GAO, 5th and G Streets, NW Washington, DC

MEB

Mark E. Burgunker 541 West 113th Street New York 25, New York

MU - (see Univ. of Melbourne)

Natl Bu Stand

National Bureau of Standards ATTN: Dr Henry Birnboum Room 314, South Building Washington, DC

Navy

Department of Navy Office of Naval Intelligence Washington 25, DC

NIH

National Institutes of Health Translating Section, Library Building 10, Room 11N112 Bethesda 14, Maryland

NLL

National Lending Library for Science and Technology Boston Spa, Yorkshire, England

NRC/C

National Research Council, Canada The Library Sussex Drive Ottawa 2, Canada Department of Internal Affairs, Translation Service Wellington, New Zealand

ONI - Office of Naval Intelligence (see Navy)

OTS

Office of Technical Services
Department of Commerce
Washington 25, DC
(Also available through
Department of Commerce
Field Offices)

Pantheon Books

333 6th Avenue New York 14, N. Y.

Pat Off

Patent Office Scientific Library 14th and Constitution Avenue, NW Washington, DC

PP

Pergamon Press 122 East 55th Street New York 22, New York

Prentice-Hall Inc.

Prentice-Hall Incorporated Engelwood Cliff, New Jersey

PS

Primary Sources
11 Bleecker Street
New York 12, New York

RAE - (see TIL, Ministry of Aviation)

RAND

RAND Corporation ATTN: Publications Office 1700 Main Street Santa Monica, California

RAPRA

Rubber and Plastics Research Association of Great Britain Shawbur Shrewsburg, England

All Orders from the American Continents:

Palmerton Publishing Company, Inc. 101 West 31st Street New York 1, New York

D. Reidel Pub. Co.

P. O. Box 17 Bordrecht Netherlands

RRG

Review of Russian Geology Box 6665, College Station Duke University Burham, North Carolina

Taylor and Francis Ltd.

Taylor and Francis Ltd. Red Lion Court, Fleet Street London, E. C. 4, England

Tex Inst

The Textile Institute 10 Blackfriars Street Manchester 3, England

TIL - Technical Information Library

Ministry of Aviation TIL 1(b) Leysdown Road Mottingham London SE 9, England

UK AEA

United Kingdom Atomic Energy Authority Development and Engineering Group Risley, Warrington, Lancs, England

University of Melbourne

University of Melbourne, Languages Section, Faculty of Science, Parkville, N2, Victoria Australia

Univ. of Virginia, Res Iab for the Engr Sci

University of Virginia Research Laboratories for the Engineering Sciences Thornton Hall University of Virginia Charlottesville, Virginia

USDA

Department of Agriculture Foreign Agricultural Service Room 5609 14th and Independence Avenue NW Washington 25, DC

500th INTC Gp, SIRA - 500th Intelligence Corps Group, SIRA (see ACSI)

525th MI Gp - 525 Military Intelligence Group (see ACSI)

PROJECTS REPORTED FOR AUGUST 1962

USSR

Economic

:

Gas Supply of the National Economy and Technical Progress, by I. Bokserman, 30 pp. RUSSIAN, bk, Gazosnabzheniye Narodnogo Khozyaystva i Tekhnicheskiy Progress, 1961, pp 5-18, 31-56, 80-91.

ACSI I-1313 ID 2196122

International Payments and Credit in Foreign Trade, 6 pp.
RUSSIAN, bk, Gosudarstvennyy Bank SSSR k XXII
S'yezdu KPSS, Moscow, 1961, pp 107-115.

JPRS 14718

Determination of Cost Index in the Use of Basic Production Funds in the Textile Industry, by V. Yu. Budavey, 12 pp. RUSSIAN, bk, Ispolzovaniye Osnovnykh Proizvodstvennykh Fondov v Promyshlennosti, Moscow, pp 180-195.

JPRS 14582

Capital Construction in the USSR: A Statistical Collection, 378 pp. RUSSIAN, bk, Kapital noye Stroitel stvo v SSSR; Statisticheskiy Sbornik, Moscow, 1961, 280 pp.

JPRS 14600

Economic Management of Industrial Enterprises in the USSR, by C. Ye. Kamenitser, 286 pp. RUSSIAN, bk, Khozyaysvennoye Rukovodstvo Promyshlennym Predprivatiyem v SSSR, 1961, pp 1-286.

JPRS 14739

Science and Technology in Dnepropetrovsk Oblast, by I. M. Shapoval, Ye. P. Shevchenko, 153 pp. RUSSIAN, bk, Nauka i Tekhnika na Dnepropetrovshchine, 1959, pp 1-16; 90-161.

Moscow Oblast (Region) Guidebook, by K. A. Konovalova, 714 pp. RUSSIAN, bk, Pamyatnyye Mesta Moskovskoy Oblasti, Moscow, 1960, pp 1-689, 716-735.

JPRS 14517

Pasture Rotation, by I. V. Larin, 204 pp. RUSSIAN, bk, Pastbishcheoborot, 1960.

OTS 61-31194 PL-480

Cost of Maritime Shipping, by V. P. Kolomoytsev, 450 pp.
RUSSIAN, bk, Sebestoimost' Morskikh Perevozok, Moscow, 1960, pp 1-371.

JPRS 14874

Postwar Development of the City of Simferopol', -by V. Uspenskaya, 52 pp. RUSSIAN, bk, Simferopol', 1961, pp 3-11, 143-191.

JPRS 14742

Forty Years of Grain Storage Science in the USSR, by L. A. Trisvyatskiy, 63 pp. RUSSIAN, bk, Sorok Let Nauki o Khranenii Zerna v SSSR, 1958. 9089758

OTS 60-51053 PL-480

Departmental Standards and Rates for Construction, Installation, and Repair-Construction Work, 1960, 154 pp.

RUSSIAN, bklt, <u>Vedmostvennyye Normy i Rastsenki</u> na Stroitel'nyye, <u>Montazhnyye i Remontno-</u>
Stroitel'nyye, 1960, pp 1-14, 1-121.

JPRS 14525

Grain Supplies, 202 pp.
RUSSIAN, bk, Zerno Prodovol'stvennoe, 1959.

OTS 60-21863 PL-480

Modular Coordination of Dimensions of Large Building Elements and Structural Components for Civil Buildings, by Ya. Vasserman. RUSSIAN, per, Arkhitektura SSSR, No 10, 1959, pp 26-30.

NLL M. 4774

New Self-Propelled Loaders, by V. I. Ivanov, 5 pp. RUSSIAN, per, Avtomobil' Prom, No 2, 1962, p 44.

1962, pp 1-7.

Route Norms for Fuel Consumption, by M. Borisov. RUSSIAN, per, Avtomobil Transport, Vol XXXIX, No 3, 1961, pp 14-16.

NLL M. 3613

The Effect of Road Conditions on the Efficiency of Road Transport, by A. Bondarenko. RUSSIAN, per, Avtomobil Transport, Vol XXXIX, No 3, 1961, pp 30-32.

NLL M. 3614

Traffic Organization and Safety. Causes of Road Accidents, by A. Shlyakhov, D. Burov, 7 pp. RUSSIAN, per, Avtomobil Transport, No 11, 1961.

NLL Tr Bulletin Vol 4, No 5, 1962

The Case for Greater Utilization of Iron Pyrite of Local Origin in the Azerbaydzhan SSR, ky A. El'darov, 4 pp.
RUSSIAN, np, Bakinskiy Rabochiy, 7 Jun 1962.

JPRS 14882

Prospects for the Development of Precast Reinforced Concrete, by G. A. Karavayev, 5 pp. RUSSIAN, per, <u>Beton i Zhelezobeton</u>, No 1,

JPRS 14807

Establish a Strong Production Base of Construction, 3 pp.
RUSSIAN, per, Beton i Zhelezobeton, No 2, 1962, pp 1, 2.

JPRS 14479

Selected Articles From the Russian Periodical Bukhgalterskiy Uchet.

No 4, 1962. Improve Accounting Mechanization in Local Markets, by A. Kupriyenko, 16 pp, (pp 22-31).

JPRS 14821

Experience in Mechanized Accounting in the Estonian Railway, by I. Reznichenko, 9 pp, (pp 49-54).

Selected Articles From the Russian Periodical Bukhgalterskiy Uchet.

No 4, 1962.

A Punched-Card Accounting System, by B. Alakhov, 8 pp, (pp 56-61).

JPRS 14637

Scientific-Industrial Conference on the Problems of Improving Accounting Methods, 7 pp, (pp 69-71).

JPRS 14637

No 5, 1962, pp 11-18. Organizing a Centralized Bookkeeping System, by N. Shchedrin, 12 pp. JPRS 14490

Improvements in Product Quality at the Krasnokamsk Metal Screen Plant, by A. T. Chumadurov, 7 pp.
RUSSIAN, per, Bumazhnaya Promy, 1962, No 5, pp 19, 20.

JPRS 14882

Selected Articles From the Russian Periodical Byul Nauch Informatsii: Trud i Zarabot Plata.

No 4, 1962. Selection of Systems of Organizing the Labor of River Boat Crews With the Aid of Electronic Computing Machines, by S. Slutskiy, Ye. Shaposhnikov, 13 pp, (pp 13-20).

JPRS 14544

Experience of Paying Bonuses to Engineering and Technical Personnel and Employees at Chemical Industry Enterprises of the Leningrad Sovnarkhoz, by F. Yanson, ll pp, (pp 24-29).

JPRS 14544

Practical Application of the Bonus System for Machine Building Workers, by A. Arkhipov, 13 pp, (pp 29-34).

Selected Articles From the Russian Periodical Byul Nauch Informatsii: Trud i Zarabot Plata. (Contd)

No 4, 1962.

Coordination Conference on the Problem of "Improvement of Pay in the USSR", by S. Sharapova, 11 pp, (pp 39-43).

JPRS 14544

All-Union Conference on the Mechanization of Calculations and Statistics Through the Use of the Latest Computers, by N. Shchedrin, 8 pp, (pp 44-49).

JPRS 14819

No 5, 1962, pp 44-48. Coordinated Conference on the Study of the Working People's Living Standards, by M. Markovich, 12 pp. JPRS 14679

Selected Articles From the Russian Periodical Byul Tekh-Ekon Informatsii.

No 2, 1962, pp 55-58.

The Self-Propelled SK-4 Combine and Its
Modified Models, by L. N. Anashkina, 5 pp.

JPRS 14514

Modified Models, by L. N. Anashkina, 5 pp. No 3, 1962.

JPRS 14638

A Review of the Standard of Technological Processes at the Moscow City Sovnarkhoz Enterprises, by V. Ye. Yanin, 6 pp, (pp 72-75).

In the Kaluzhskiy Sovnarkhoz, 3 pp, (pp 75, 76).

No 4, 1962.

Steelmaking in Oxygen-Blown Converter, by V. I. Zhigulin, 12 pp, (pp 3-7).

JPRS 14590

Press Model PM10 for Forging Tapered Switching Rails, by D. V. Feofanov, 3 pp, (pp 20,21).

Selected Articles From the Russian Periodical Byul Tekh-Ekon Informatsii. (Contd)

No 4, 1962. Low-Power Steam Turbines, by M. F. Sichikov, 10 pp, (pp 46-51).

JPRS 14689

Dual-Point Rotary Vane Hydroturbine of the Uch-Kurgan Gas, by S. P. Mikhanovskiy, 8 pp, (pp 51-54).

JPRS 14689

Automatic Lines of Moscow Oblast Sovnarkhoz, by I. V. Gellert, 11 pp, (pp 84-87).

JPRS 14496

The Technical-Economic Council of Leningradskiy Sovnarkhoz, by B. N. Etingof, 4 pp, (pp 87, 88).

JPRS 14496

Profile Grinding at Tula and Kaluga Plants, by V. P. Kozlikov, P. D. Osiptsov, 3 pp, (pp 88, 89).

JPRS 14496

No 5, 1962. Continuous Casting of Rimmed Steel to Produce Hot-Rolled Metal, by G. M. Itskovich, 11 pp, JPRS 14862

Hot-Rolled Metal, by G. M. Itskovich, 11 pp, (pp 3-10).

Obtaining High-Iron Magnetite-Hematite Concentrates, by N. A. Aleynikov, G. A. Golovanov, etc., 5 pp, (pp 11-13).

Selected Articles From the Russian Periodical Den'gi i Kredit.

No 2, 1962.

Basic Tasks of the State Bank in the Light of 22nd CPSU Congress Decisions, by A. Korovushkin, 17 pp, (pp 3-14).

JPRS 14821

The Meaning and Role of Money in Communist Construction, by I. Zlobin, 14 pp, (pp 23-32).

Selected Articles From the Russian Periodical Den'gi i Kredit. (Contd)

No 2, 1962. A Profitableness Index for Industrial Enterprises, by N. Chumachenko, 12 pp, (pp 33-40).

JPRS 14821

No 4, 1962, pp 29-38. Economic Basis for Extending the Role of the Ruble in International Finance, by I. Ayzenberg, 31 pp. JPRS 14763

Further Economy of Adhesives in the Plywood Industry, by K. Smolenskiy.
RUSSIAN, per, Derevoob Prom, Vol V, No 10, 1956, pp 9-19.

CSIRO 3803

Selected Articles From the Russian Newspaper Ekon Gazeta.

No 13, 26 Mar 1961, p 12. What Stands in the Way of Creating and Introducing New Equipment, by N. Kabatov, 6 pp. JPRS 14873

No 18, 1961, pp 21, 22.

The Metallurgical Works of the Future, by
K. Kostenetskiy, 18 pp.

NLL Tr Bulletin Vol 4, No 6, 1962

No 8, 19 Feb 1962. Small Construction Is State Contruction Too, by D. Khablenko, 5 pp, (p 21).

JPRS 14819

Manpower Resources, by P. Kosyakov, 8 pp, (p 27).

JPRS 14544

To Train Specialists for Virgin Lands on the Spot, by L. Golovko, 4 pp, (p 34).

26 Mar 1962, pp 4, 5. The Principal Productive Force of the Society, by V. Moskalenko, 11 pp.	JPR3 14544
No 15, 9 Apr 1962. Two Reasons for the Fluidity of Cadres, by A. Morozov, G. Menchinov, 6 pp, (p 3).	JPRS 14544
Gear Rolling, by Ye. Temchin, 4 pp, (p 29).	JPRS 14873
No 17, 23 Apr 1962. Results of Finance Service Centralization, by A. Bizyayev, 5 pp, (p 11).	JPRS 14821
Lithuanian Sovnarkhoz Industrial Growth, by P. Kul'vets, 5 pp, (p 12).	JPRS 14821
Six Months After the 22nd Party Congress in Perm', by Z. Rumer, 9 pp, (pp 14-16).	JPRS 14821
Rates, Percentages, and Real Production, by M. Kobrin, 8 pp, (pp 15, 16).	JPRS 14821
Are The Enterprises Fulfilling Their High Tasks?, by I. Tseytlin, G. Lavrovskiy, A. Lavrovskiy, etc, 5 pp, (p 27).	JPRS 14821
On the Planning, Financing and Accounting of Capital Construction, by Ya. Kwasha, V. Krasovskiy, 5 pp, (pp 29, 30).	JPRS 14821
Two Million Additional Workers Required to Make up Lag in Road-Machine Construction, by M. Ovsyannikov, 5 pp, (pp 29, 30).	JPRS 14588
Miscalculations in Construction of Korshunikha Ore-Concentration Mill, 3 pp, (p 32).	JPRS 14695
Make Wider Use of Economic Stimuli, by N. Ivanov, 5 pp, (p 33).	JPRS 14821

No 19, 7 May 1962. An Austenitic Manganese Iron Used in Place of Nonferrous Bearings, by I. Kovalenko, 4 pp.	JPRS 14519
Modernization Should Accompany the Overhauling of Metallurgical Equipment, by F. Prikhozhan, 3 pp.	JPRS 14519
A Planned Economy The Great Advantage of Socialism, 7 pp, (p 2).	JPRS 14821
The Burgeoning Growth of Production of the Means of Production, by A. Koryagin, 9 pp, (pp 4, 5).	JPRS 14821
Losses and Khozraschet (Cooperative Agreements), by M. Pessel, 3 pp, (p 18).	JPRS 14821
The Most Profitable Form of Supply, by S. Avdeyev, 6 pp, (p 20).	JPRS 14821
Raise the Level of Agricultural Economics Research, by K. Obolenskiy, 10 pp, (pp 21-22).	JPRS 14821
The Production of Ferroalloys Is Treated as the Step-Child of the Metallurgical Industry, by V. Nakhabin, 5 pp, (p 30).	JPRS 14519
No 20, 12 May 1962 Wages and the Incentive for Labor Productivity Growth, by V. Vorob'yev, 24 pp, (pp 4, 5).	JPRS 146 7 9
More Rights and Independence for Murmanskaya Oblast, by V. Shlykov, 6 pp, (p 10).	JPRS 14821

No 20, 12 May 1962.	
The Trend to Combine Industries, by A Zakharov, 10 pp, (p 12).	JPRS 14857
Three Stages for the Determination of the Internal Reserves of Production, by F. Veselkov, 4 pp, (p 15).	JPRS 14821
Conference on the Problems of Financial Planning, 6 pp, (p 18).	JPRS 14821
A Complex of Modern Machines for the Village, by N. Levykin, 5 pp, (p 20).	JPRS 14637
Model of a Unit for the Conversion of Methane 4 pp, (p 25).	JPRS 14492
Confusion at the Pavlodar Aluminum Plant Construction Site, by V. Filinskiy, 3 pp, (p 28).	JPRS 14859
No 21, 19 May 1962. Delays in Construction of Almaznaya Ferroalloy Plant, by S. Ivanenko, 3 pp, (p 12).	JPRS 14695
A Survey of the Cement Machine Building Industry, by I. Kholin, 7 pp, (p 13).	JPRS 14807
New Frinciples in the Construction of Plants, by G. Kharlampovich, V. Karmazin, 4 pp, (p 14).	JPRS 14789
A Qualified Economist for Each Kolkhoz and Sovkhoz, by N. Anisimov, M. Malygin, ll pp, (p 16).	JPRS 14679
Moral Depreciation and Utilization of Equipment, by K. Petrosyan, 8 pp, (p 2).	JPRS 14782

The second of th

No 21, 19 May 1962. The Economic Development of the Union	
Republics Is One of the Major Goals, 10 pp, (p 6).	JPRS 14782
Reorganization of the Sovnarkhoz, by V. Ksintaria, 5 pp, (p 7).	JPRS 14782
Specialization and Its Economic Effectiveness, by D. Polyakov, 13 pp, (p 9).	JPRS 14782
Herbicides for Agriculture, by Sh. Mamedov, A. Rzayev, 4 pp, (p 19).	JPRS 14492
Ekon Gazeta Readers Aid Opinions of the Production Supply System, 13 pp, (p 28).	JPRS 14782
The Need for Cash Registers, by A. Morozov, 10 pp, (p 35).	JPRS 14782
No 13, 26 May 1962, pp 14, 15. Integration and Coordination of Petro- chemistry, by I. Osadchenko, V. Klimenko, 4 pp.	JPRS 14789
No 23, 2 Jun 1962. Problems of Producing Steel Tubes for the Petroleum Industry, by V. D'yakov, V. Burdukskiy, etc., 4 pp.	JPR S 14758
Organize Properly the Production of Ferroalloys., by G. Serov, 4 pp, (p 12).	JPRS 14758
Precision Casting at the Tula Arsenal, by V. Chernopyatov, 3 pp, (p 28).	JPRS 14711

No 23, 2 Jun 1962. A Firm Raw-Material Base for the Petrochemical Industry, by A Savel'yev, I. Molochnikov,	JPRS 14789
3 pp, (p 34). No 24, 9 Jun 1962, p 33.	JPRS 14759
Research at the Central Design and Technology Bureau of the Odesskiy Sovnarkhoz, by Iv. Batov, 4 pp.	
No 25, 16 Jun 1962. Prices An Important Instrument in the	
Development of our Socialist Economy, by V. D'yachenko, 20 pp, (pp 3, 4).	JPRS 14596
Time Serving Planners, by N. Vakshul', L. Yashek, 5 pp, (p 6).	JPRS 14782
Criticism of the Mining Machine Builders, by P. Nesterov, 4 pp, (p 7).	JPRS 14759
Not Forseen by the Plan, by Ye. Dmitriyeva, 4 pp, (p 8).	JPRS 14782
Scientific Council A Means for Purposeful Research, by V. Chernysheva, 9 pp, (p 19).	JPRS 14782
Greater Attention to Large-Scale Chemistry, by V. Gogin, 9 pp, (p 20).	JPRS 14782
No 27, 30 Jun 1962. Why Soviet Mine Drilling is Inefficient, by B. Chuguntsev, 6 pp.	JPRS 14748
Future Development of the Kursk Magnetic Anomaly, by N. Yefanov, 5 pp, (p 7).	JPRS 14841
Develop the Production of Ore-Flux Briquets, by I. Korobov, 3 pp, (p 27).	JPRS 14841

and the second of the second of the second of

Selected Articles From the Russian Newspaper Ekon Gazeta. (Contd)

16 Jul 1962, p 5. Is Quantity Alone End JPRS 14782

Is Quantity Alone Enough?, by E. Gal'person, 9 pp.

The Raising of Agricultural Labor Productivity is the Most Important Prerequisite in the Construction of Communism, by A. Glukhov, 14 pp. RUSSIAN, per, Ekon Nauku, No 1, 1962, pp 12-21.

JPRS 14544

For An Integrated Industrial Base of Construction for Kazakhstan, by V. Putintsev, 4 pp. RUSSIAN, per, Ekon Stroitel', No 4, 1962, pp 22-29.

JPRS 14479

Initial Results of Performance of the Moscow Housing Construction Combine, by I. Naumov, 3 pp.
RUSSIAN, per, Ekon Stroitel', No 4, 1962, pp 46-52.

JPRS 14479

Diesel Locomotive Traction in 1962, by L. V. Bulankov, 6 pp. RUSSIAN, per, Elekt i Teplov Tyaga, No 2, 1962, pp 1, 2.

JPRS 14605

Transformers and Auto-Transformers for 330-KV Power Lines, by V. M. Sukhanov, 7 pp. RUSSIAN, per, <u>Energetika i Elektrotekhnicheskaya Prom</u>, No 1, 1962, pp 13-17.

JPRS 14555

An Industry Wide Conference on Power Machine Building, by V. G. Tyryshkin, L. I. Ponarskiy, 6 pp.
RUSSIAN, per, Energomashinostroyeniye, No 6, 1962, p 41.

JPRS 14755

Shortcomings in Planning of the Number of Employees and Engineering-Technical Workers, by L. Elyashev, 18 pp. RUSSIAN, per, Finansy SSSR, No 3, 1962, pp 41-46.

Financial Control -- An Important Element in Economic Work, by K. Khalikov, 14 pp. RUSSIAN, per, Finansy SSSR, No 5, 1962, pp 24-29.

JPRS 14688

The Decentralized System of Paying Profit Deductions, by I. Pisarev, 12 pp. RUSSIAN, per, <u>Finansy SSSR</u>, No 5, 1962, pp 50-55.

JPRS 14688

News in Brief. Basic Gold Deposits at Malyy Khingan, by V. I. Kazanskiy, 8 pp. RUSSIAN, per, Geologiya Rudnykh Mestorozhdeniy, No 2, Mar/Apr 1962, pp 109-113.

JPRS 14587

Gold Occurrence in Sedimentary Rock With Sulfide Phenocrysts in the El'ga River Basin, by S. I. Gavrikov, 4 pp. RUSSIAN, per, Geologiya Rudnykh Mestorozhdeniy, No 2, Mar/Apr 1962, pp 114, 115.

JPRS 14587

Selected Articles From the Russian Periodical Gornyy Zhur.

No 3, 1962. A Summary of the Performance of the Ore Mining Industry During 1961, by S. M. Meleshkin, A. I. Bunin, 6 pp, (pp 5, 6). JPRS 14608

Technical Progress at the Mirgalimsay Mine, by A. F. Tyuryakov, 8 pp, (pp 7-9).

Underground Water Problems and Their Solution at the Mirgalimsay Deposit, by N. M. Yermolina, 10 pp, (pp 9-12).

Report on Activities of the Scientific - Technical Society for Nonferrous Metallurgy, by V. A. Frolov, 3 pp, (p 80).

Selected Articles From the Russian Periodical Gornyy Zhur. (Contd)

No 4, 1962, pp 16-18. Analysis of the Structure of Capital Investments in the Ferrous-Metallurgy Ore Industry, by L. M. Feygin, 7 pp.	JPRS 14711
Main Source of Growth of Shipments, by I. Bogdanov, 4 pp. RUSSIAN, np, Gudok, No 68, 20 Mar 1962, p 3.	JPRS 14605
Lagging Railroad Construction, by G. Vlasenko, 4 pp. RUSSIAN, np, Gudok, No 86, 11 Apr 1962, p 3.	JPRS 14605
Selected Articles From the Russian Newspaper Izvestiya.	
No 34, 9 Feb 1962. A Look Forward, by G. Stamov, 9 pp.	JPRS 14544
l Apr 1962, p 2. Mathematics and a Plot of Land, by Kh. Carb, 4 pp.	JPRS 14819
10 Apr 1962. The Maintenance on the D-54 Tractor is Not Meeting Our Current Requirements, by N. Velichkin, 5 pp.	JPRS 14693
29 Apr 1962. Production of Carbamide at the Salavat Petrochemical Combine, by G. Vakhitov, A. Klimenkov, 3 pp.	JPRS 14492
16 May 1962. Research Difficulties, by N. Kovalev, 5 pp.	JPRS 14689
17 Jun 1962, p 4. Innovations in the Converter Shop of the Krivorozhstal Plant, by Vladimir Popov, 4 pp.	JPRS 14759

Presentation of Agricultural Utilization of Territories on Topographic Maps, by N. V. Shubina, 10 pp.
RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>,
No 6, 1961, pp 97-111, Call No QB275 198,
Eng Trans.

Army Map Service

Construction of the Dzhetygara Asbestos Combine, by V. Mal'tsev, 3 pp. RUSSIAN, np, Kazakh Pravda, 11 May 1962.

JPRS 14789

Innovations Leading to Greater Efficiency at the Zyryanov Lead Mine Imeni 22 S'yezda KPSS, by B. Grebenyuk, 5 pp. RUSSIAN, np, <u>Kazakh Pravda</u>, 14 Jun 1962.

JPRS 14882

New Drills Available to the Mining Industry, by A. Shatilov, 3 pp. RUSSIAN, np, Kazakh Pravda, 28 Jun 1962.

JPRS 14748

New Machines, Apparatus. Instruments, 5 pp. RUSSIAN, per, Khimicheskoe Mashinostroyeniye, No 3, May-Jun 1962, pp 44-46.

JPRS 14713

New Instruments for Measuring and Controlling Air Humidity in Cooled Areas, by Ye. A. Agarev, 3 pp.
RUSSIAN, per, Kholodil' Tekh, No 2, Mar/Apr 1962, pp 9-13.

JPRS 14537

Selected Articles From the Russian Newspaper $\underline{\text{Kommunist}}$.

27 Jan 1962, p 3. Work of the Scientific Research Mining-Metallurgical Institute of the Armenian Sovnarkhoz, by S. Vartapetyan, 3 pp.

JPRS 14520

17 Feb 1962. Shortcomings of the Supply System at Alaverdi Copper Chemical Combine, by Zh. Nadzhar'yan, 3 pp.

然后,你有这些好了。"

Selected Articles From the Russian Newspaper Kommunist. (Contd)

No 5, 1962, pp 19-23.

Efficiency of Capital Investment, by
S. Movshovich, 8 pp.

No 9, 1962. A Vitally Necessary Measure, by M. Gritskov, 10 pp, (pp 40-45).

JPRS 14580

Lower the Cost of Production in Livestock Raising, by Ye. Valyuzmenich, 9 pp, (pp 46-50).

JPRS 14580

On Economic Experiments, by B. Ionas, 16 pp, (pp 51-59).

JPRS 14580

Improve the Utilization of the Mineral Wealth of the USSR, 13 pp, (pp 60-65).

JPRS 14790

15 Jun 1962. Plans to Increase Labor Productivity at the Kafan Copper Ore Mine, by B. Ambartsumyan, 3 pp. JPRS 14882

Equalizing the Economic Conditions for all Kolkhozes, by A. Motrov, 5 pp. RUSSIAN, per, Kommunist Sovet Latvii, No 10, 1961, pp 40-42.

JPRS 14819

Specialization, the Most Important Condition of Technical Progress, by G. Danilenko, 6 pp. RUSSIAN, per, Kommunist Sovet Latvii, May 1962, pp 34-38.

JPRS 14638

Recommendations for the Use of Supplementary Payment of Collective Farmers for Increasing the Output and Lowering the Cost of Agricultural Products in the Tadzhik SSR, 20 pp.
RUSSIAN, np, Kommunist Tadzhikistana,
19 Apr 1962, p 3.

Collective Wages of the Assembly-Line Workers of the Footwear Factories, by A. G. Merzon, N. O. Gershun, et al, 5 pp.	
RUSSIAN, per, Kozhevenno-Obuvnaya Prom, No 3, 1962, pp 8-10.	JPRS 14544
The "Kirovets" All-Purpose Tractor Should be the Pride of the Leningrad Tractor Builders, by I. Isayev, 3 pp. RUSSIAN, np, Leningrad Pravda, 31 Mar 1962.	JPRS 14693
Kopeks Saved Rubles Wasted, by A. Gazeryan, 4 pp. RUSSIAN, np, Leningrad Pravda, 13 May 1962.	JP RS 14689
Utilization of Reserves at The Voskresensk Chemical Combine, by B. Vasil'yev, 3 pp. RUSSIAN, np, Leninskoye Znamya, 22 May 1962.	JPRS 14789
Payment of Wages to Workers Engaged in Loading and Unloading Work, 7 pp. RUSSIAN, per, Les Prom, 31 Mar 1962, p 4.	JPRS 14544
Automatic Machines and Automatic Lines for Assembling Tractors and Agricultural Machines, by Z. Ya. Padrul, V. V. Kosilov, 12 pp. RUSSIAN, per, Mashinostroitel', No 3, 1962, pp 25-27.	JPRS 14514
Decisions of the Scientific-Engineering Conference in Action, by S. S. Zaslavskiy, 3 pp.	
RUSSIAN, per, <u>Mashinostroitel'</u> , No 5, 1962, pp 24, 25.	JPRS 14638
Development of Office Machines, 3 pp. RUSSIAN, per, Mekh i Automat Proiz, No 2, 1962, p 54.	JPRS 14537
6th Congress of the Trade Union of Metallurgical Industry Workers, by V. A. Podzerko, 12 pp. RUSSIAN, per, Metallurg, No 5, 1962, pp 1, 2.	JPRS 14857

One particular

Selected Articles From the Russian Periodical Mirovaya Ekon i Mezh Otnosheniya.

No 3, 1962. The 22nd CPSU Congress and Tasks of a Further Study of the Problems of World

Development, 29 pp, (pp 3-19).

JPRS 14518

The Modern Era and Paths of Development of the Liberated Countries, by V. Tyagunenko, V. Rymalov, 49 pp, (pp 20-49).

No 5, 1962. Consolidation of the Economic Might of the World Socialist System, by A. Alekseyev, 20 pp, (pp 14-27). JPRS 14552

"European Integration", Some Results and Prospects, by I. Lenin, 21 pp, (pp 42-55).

The Problem of Economic Independence, by L. Stepanov, 19 pp, (pp 85-97).

The Role of the Bourgeoisie in the National-Liberation Movement, by N. Savel'yve, 12 pp, (pp 97-102).

Urgent Problems of Employment in Underdeveloped Countries, by T. Pokatayeva, 8 pp, (pp 103-106).

Small Centers of Colonialism, by I. Lebedev, 4 pp, (pp 106-108).

No 6, 1962. Specialization in the Production of a Few Commodities and Economic Independence, by R. Andreasyan, A. El'yanov, 18 pp, (pp 85-97). JPRS 14870

Problems of Planning in the Underdeveloped Sovereign Countries of Asia, by L. Futin, 6 pp, (pp 97-100).

Fulfilling the Transportation Plan for the Fourth Year of the Seven-Year Plan, by Ye. Gekhtbarg, 12 pp. RUSSIAN, per, Morskoy Flot, No 2, 1962, pp 1-4.	JPRS 14605
The Unified Transportation Net of the Soviet Union, by Yu. Koldomasov, 12 pp. RUSSIAN, per, Morskoy Flot, No 2, 1962, pp 4-6.	JPRS 14605
Centralized Foundries, 4 pp. RUSSIAN, np, Moskov Pravda, 14 Apr 1962, p 3.	JPRS 14512
New Methods of Reducing Waste in Form of Chips, by A. Tselikov, M. Vasil'chikov, 6 pp. RUSSIAN, np, Moskov Pravda, 20 Apr 1962, p 3.	JPRS 14512
Extensive New Construction in Chelyabinskaya Oblast, by G. Reva, 3 pp. RUSSIAN, per, Na Stroykakh Rossii, May 1962, pp 14-16.	JPRS 14711
Selected Articles From the Russian Periodical Narod Khoz Kazakh.	
No 3, 1962. The Wage System Should be Improved, by V. Finoganov, 7 pp, (pp 31-34).	JPRS 14544

No 3, 1962. The Wage System Should be Improved, by V. Finoganov, 7 pp, (pp 31-34).	JPRS 14544
Rational Utilization of Ore Deposits, by I. Malkin, V. Pivovarov, 11 pp, (pp 62-68).	JPRS 14495
Economic Work Should Not Lag Behind Technical Progress, by N. Neymer, 4 pp, (pp 35-37).	JPR S 14492
No 5, 1962, pp 78-81. Construction Lag in East Kazakhstan Area of USSR, by V. Cheglakov, 11 pp.	JPRS 14770

Improve and Expand the Interregional Transportation and Economic Relations of Uzbekistan, by S. Khodzhayev, 13 pp. RUSSIAN, per, Narod Khoz Uzbek, No 3, 1962, pp 73-80.

JPRS 14819

The Cotton Industry and Its Material and Technical Base, by A. Trusov, 6 pp. RUSSIAN, per, Narod Khoz Uzbek, No 4, 1962, pp 72-77.

JPRS 14638

Certain Problems of the Rational Utilization of the Labor Resources Within and Administrative Economic Region, by A. Orlov, 13 pp. RUSSIAN, per, Nauch Dok Vysshey Shkoly: Ekon Nauk, No 1, 1962, pp 84-89.

JPRS 14544

The Program of the Course in Political Economy: Its Merits and Shortcomings, by I. Golubnichiy, 5 pp.
RUSSIAN, per, Nauch Dok Vysshey Shkoly: Ekon Nauk, No 1, 1962, pp 94-107.

JPRS 14819

The Fertilizer Industry in the Western Urals, 7 pp.

RUSSIAN, per, Partiynaya Zhizn', No 9, May 1962, pp 37-40.

JPRS 14492

Geographical Distribution of Product'
Forces During the Development of Communism, by
A. Korobov, 23 pp.
RUSSIAN, per, Partiynaya Zhizn', No 12,
Jun 1962, pp 9-17.

JPRS 14782

Lack of Progress at the Dzhezkazgan Ore Mines and Concentration Mills, by P. Yegorov, 6 pp. RUSSIAN, per, Partiynaya Zhizn' Kazakhstana, No 3, 1962, pp 33-37.

JPRS 14520

Initiative on Control Commissions in the Field of Mechanization and Automation, 3 pp. RUSSIAN, per, Partiynaya Zhizn' Kazakhstana, No 4, 1962, pp 70-72.

Increase the Effectiveness of Use of Capital Investments, by A. Mitrofanov, R. Tikidzhiyev, 25 pp.

RUSSIAN, per, Plan Khoz, No 6, 1962, pp 37-44.

JPRS 14602

Put the Reserves of the Seven Year Plan to Work, 16 pp.
RUSSIAN, per, Plan Khoz, No 7, 1962, pp 1-11.

JPRS 14784

Selected Articles From the Russian Newspaper Pravda.

28 Feb 1962, p 1. The Broadest Road to Knowledge, 6 pp. NLL Tr Bulletin Vol 4, No 6, 1962

4 Apr 1962.
The Principle of Material Incentive Must
Be Carried Out With Consistency, by A. Volkov,
7 pp.

JPRS 14544

9 Apr 1962, p 2. Machinery, Labor, and Wages, by A. Gromov, 11 pp. JPRS 14544

14 May 1962, p 2. Future of Metallurgy: Continuous Casting of Steel Means Millions of Additional Tons of Metals, by M. Boychenko, V. Rutes, V. Ful'makht, 8 pp. JPRS 14590

18 May 1962, p 2. Natural Gas and Oxygen - Powerful Accelerators of Metal Melting, by I. Golikov, 9 pp. JPRS 14589

25 May 1962.
The Advances of Converters and Continuous Casting of Steel, by P. Sergeyev, 4 pp.

JPRS 14589

28 May 1962. Radical Improvements Are Needed in the Chemical-Machine Building Industry, by G. Gruznov, 5 pp.

AND STORY

Selected Articles From the Russian Newspaper Pravda. (Contd)

8 Jun 1962, p 3. Principal Trends of Technical Progress in Metallurgy, by V. Boyko, 5 pp. JPRS 14758

No 23, 1962, pp 1-2. The 1961 Results of the Fulfillment of the State Plan for National Economic Development of the USSR, 24 pp. NLL Tr Bulletin Vol 4, No 5, 1962

Processing of Molybdenum Sulfide Ore at the Kadzharan Concentration Mill, by B. Lutsenko, 15 pp.
RUSSIAN, per, Prom Armenii, No 3, pp 31-36.

JPRS 14608

Several Difficulties in Increasing Aluminum Production, by L. Arutyunyan, 6 pp. RUSSIAN, np, Prom Armenii, May 1959, pp 27-29.

JPRS 14859

Electrical Resistance Measuring Devices, 3 pp. RUSSIAN, per, Prom Energetika, No 5, 1962, p 61.

JPRS 14537

Improve the Utilization of Cement in Construction, by I. I. Kholin, M. G. Kobrin, 5 pp.
RUSSIAN, per, Prom Stroitel', No 3, 1962, pp 42-44.

JPRS 14479

Effective Construction of Converter Shops, by I. A. Afonin, Gipromez, 9 pp. RUSSIAN, per, Prom Stroitel', No 5, 1962, pp 21-23.

JPRS 14622

High-Strength Steel for Construction From Ores of Kachkanar Deposits, by V. I. Lobzenko, 6 pp.
RUSSIAN, per, <u>Prom Stroitel'</u>, No 5, 1962, pp 57, 58.

The Grdelica-Skoplje Stretch of the Brotherhood-Unity Highway was Completed in 1961, by Miodrag Siljak, 5 pp. RUSSIAN, per, Put i Saobracaj, Vol VII, No 9/10,

1961, pp 1-10, Call No TE 4 P 98, Eng Trans.

Army Map Service

Socialist Competition Between Ukrainian Blast-Furnace Operators, by G. Nemazanyy, 8 pp. RUSSIAN, np, Rabochaya Gazeta, No 113, 15 May 1962, p 1.

JPRS 14546

The Desirability of Revising the Specifications for Standard-Ore Reserves Being Worked at the Polymetallic Ore Fields in Altay, by K. Sh. Utepov, B. I. Lastovetskiy, 3 pp. RUSSIAN, per, Razvedka i Okhrana Nedr, May 1962, pp 34-36.

JPRS 14859

Selected Articles From the Russian Periodical Rechnoy Transport.

ACSI I-1636 ID 2201426

Vol I, 1959. Our Goals in 1959, by Z. A. Shashkov, (5 pp).

The Waterway Development in 1959, by N. A. Zorin, (pp 31-34).

Determining the Changing Water Level in the Zone of the Unsettled Under-Water Regime of the Perm Hydroelectric Power Plant, by A. M. Kazakov, (pp 34-36).

The Operation of the Sluice Power Equipment of the Volga GES imeni V. I. Lenina, by Yu. A. Aksenemko, (pp 38-40).

On the Eve of the Hundred First Navigation Season of the Severniy Basis Rivers, by V. F. Skoroshchinskiy, (pp 52, 53).

The state of the s

Selected Articles From the Russian Periodical Rechnoy Transport. (Contd)

Vol II, 1959.

Improve the Utilization of the Navigation Canal for Transportation Purposes, by A. I. Kovalev, (pp 4-9).

The Operation of the Gor'kiy Sluices, by E. I. Makar'yev, (pp 41-43).

Vol III, 1959, For a Successful Jmplementation of the Historic Resolutions of the 21st Congress of the CPSU, (pp 1-6).

The Construction of the Volga-Baltic Waterway, by G. I. Sadovskiy, (pp 28-31).

Five Years of Operation of the Perm' Sluice, by A. V. Ovchinnikov, (pp 31-34).

Checking the Planned Water Levels, by V. M. Tavrizov, (pp 34-37).

The Layout of the Navigational Installations at the Saratov Hydropower Development, by A. I. Lusiyevskiy, Ye. V. Mikhaylin, (pp 37-40).

The Fleet's Performance on the Artificial Lakes in Stormy Weather, by K. P. Chentsov, (pp 43, 44).

The Development of Radio Communication on the Volga River, by I. I. Pospelov, (p 46).

The Use of Ultra-Shortwave Radio Stations in River Ports, by G. S. Girshfel'd, (pp 47, 48).

The Development of Wire Communication on the Volga River, by Yu. K. Nits, (pp 48, 49).

ACSI I-1636 ID 2201426

ACSI I-1636 ID 2201426

Selected Articles From the Russian Periodical Rechnoy Transport. (Contd)

Vol III. 1959. Ship Navigation in the Rybanya Sloboda Village Lobach Mountain Section, by I. K. Kusmachev, (pp 49, 50). ACSI I-1636 ID 2201426

Vol IV, 1962, pp 34-36. Problems in the Development of Transportation in the Bratsk Water Reservoir, by A. Kazakov, 5 pp. ACSI I-1688 ID 2203221

Selected Articles From the Russian Periodical Sotsialisticheskiy Trud.

No 2, 1962, pp 133-142. Wages From Workers at Railway Shops of Amalgamated and Independent Railway Transport Enterprises, 8 pp. JPRS 14544

No 3, 1962, pp 49-58. To Improve Further the Bonus Awarding System in Industries, 30 pp.

JPRS 14679

No 4, 1962. Productivity of Labor and Wages, by E. Kapuatin, 37 pp, (pp 11-23). JPRS 14679

Discussion of Further Improvements of Bonus System in Industries, 41 pp, (pp 57-70).

Lump-and-Bonus System of Wages at the "Vlast' Sovetov" Sovkhoz, by P. Rukosuyev, 20 pp, (pp 110-116).

Premium Awards to Workers of Enterprises of Light Industry for Improving the Quality of Production, by Ye. Kostrikova, 12 pp, (pp 137-141).

Selected Articles From the Russian Periodical Sotsialisticheskiy Trud. (Contd)

No 4, 1962.
Wages for Students of IX-XI Grades of
Secondary Schools During Their Training
on Production Sites, by V. Raguzov, 12 pp,
(pp 142-145).

No 5, 1962. JPRS 14679 Discussion of Further Improvements of Bonus System in Industries, 37 pp, (pp 58-69).

To Improve Practice in Applying New Wage Conditions, by V. Sudrab, 16 pp, (pp 70-74).

New Bobruysk Farm-Trailer Plant in Trouble, by M. Kapel'chik, 5 pp. RUSSIAN, np, Sovetskaya Belorussiya, 10 Mar 1962.

1962. JPRS 14693

Improvements Made in the Production of Farm Equipment, 3 pp. RUSSIAN, np, Sovetskaya Rossiya, 15 Mar 1962.

Regulation of Wages and the Further Improvement of State Regulation of Pay, by S. S.

Karinskiy, 30 pp.
RUSSIAN, per, Sovetskoye Gosudarstvo i Pravo,

No 1, 1962, pp 38-49. JPRS 14544

To Improve Agricultural Management, 11 pp. RUSSIAN, per, Sovety Deputatov Trudy, No 4, 1962, pp 3-10.

JPRS 14819

JPRS 14693

JPRS 14679

Standardization of Gear Cutting Semi-Automatic Milling Machines Included as Components in Automatic Production Lines, by V. Ya. Chernevich, 8 pp. RUSSIAN, per, Standartizatsiya, No 3, 1962, pp 17-20.

About Trademarks of Agricultural Machines, by V. F. Gorbov, Yu. P. Laptev, 7 pp. RUSSIAN, per, Standartizatsiya, No 4, 1962, pp 32-34.

JPRS 14514

New State Standards (Press Forging Equipment), by A. V. Lopatin, 5 pp. RUSSIAN, per, Standartizatsiya, No 5, 1962, pp 52-54.

JPRS 14873

Selected Articles From the Russian Newspaper Stroitel Gazeta.

15 Apr 1962, p 3. Delays in Deliveries of Equipment to the Construction and Building Materials Industry, by P. Degtyarev, 4 pp.

JPRS 14479

20 Apr 1962, p 2. by I. Kabanov, 5 pp.

JPRS 14589 Steel Structures Should Be Lot Produced,

1 Jun 1962, p 2. Conversion From the Production of Unit Brick to That of Prefabricates at the Podol'sk Wall Materials and Components Plant, by K. Smirnov, A. Gorokhovskiy, 4 pp.

JPRS 14807

3 Jun 1962, p 3. Expedite the Activation of New Cement Capacities, 6 pp.

JPRS 14807

29 Jun 1962. Specialization in the Machine-Building Industry, by R. Kormilitsyn, 6 pp.

と 発表が得ることの ことを持た

Selected Articles From the Russian Periodical Stroitel i Dorozhnyye Mashiny.

No 4, 1962.

JPRS 14588

New Types of Road-Building Machines, by A. A. Vasil'yev, 20 pp, (pp 1-7).

Nomenclature of Road Machines Produced in Series, 4 pp, (pp 34, 35).

New Machines, 3 pp, (pp 36, 37).

No 5, 1962.

JPRS 14733

Conference on Construction and Road Machinery, 8 pp, (pp 1, 2).

New Road Construction Machinery and Stardardization, by A. A. Vasil'yev, 7 pp, (pp 3-7).

Development and Adoption of Standard Construction and Road Machinery and Equipment for the Building Industry, by D. K. Simachev, 5 pp, (pp 7-9).

A Standardized Series of Universal Single-Bucket Excavators and Self-Propelled Boom Cranes, by V. A. Ryakhin, I. L. Berkman, A. S. Robrov, 4 pp, (pp 9-11).

No 6, 1962, pp 1-4. Construction Loaders and Prospects for Their Development, by A. A. Vasil'yev, 4 pp. JPRS 14748

A Strong Building Materials and Components Industry as the Foundation for a Successful Fulfillment of Capital Construction Plans, 7 pp.
RUSSIAN, per, Stroitel' Materialy, No 3, 1962, pp 1-4.

Expand Broadly the Production of Cement-Free Components and Elements, 4 pp. RUSSIAN, per, Stroitel Materialy, No 5, 1962, pp 1, 2.

JPRS 14807

Durable Materials "By Command", by M. Shavlovich, 7 pp. RUSSIAN, per, <u>Tekh Molodezhi</u>, No 10, 1961, pp 22-23. 9665933

FTD-TT-62-655

The Use of Electronic Computers to Determine the Optimal Structure of the Power Production Balance, by Yu. A. Kuznetsov, A. P. Merenkov, 18 pp.
RUSSIAN, per, Teploenergetika, No 5, 1962, pp 3-10.

JPRS 14637

Selection of Optimum Red Line For Pusher Grades of Electronic Digital Computer Machines, by V. N. Lyakhovskiy, K. M. Berestovenko, 3 pp.
RUSSIAN, per, Transportnoye Stroitel', No 2, 1962, pp 42, 43.

JPRS 14605

Use of Natural Gas and Modernization of Equipment Have Stepped up the Output of "Zaporozhstal'" Considerably, 4 pp. RUSSIAN, np, Trud, 14 Jan 1962, p 1.

JPRS 14512

New Tube Shop at Dnepropetrovsk Metallurgical Plant, by N. Yermolenko, A. Danilov, I. Romanenko, 4 pp. RUSSIAN, np, Trud, 19 Jan 1962, p 1.

Selected Articles From the Russian Periodical <u>Tsement</u>, No 2, Mar/Apr 1962.

JPRS 14479

Prospects for the Development of the Cement Industry, 5 pp, (pp 1, 2).

Expanding the Raw Materials Base of the Building Materials Industry, by G. A. Nechayev, S. D. Makashev, 6 pp, (pp 3, 4).

Principal Trends of the Improvement of Techniques of Cement Production, by V. A. Aref'yev, B. V. Volkonskiy, A. F. Semendyayev, 4 pp, (pp 5, 6).

Re-Equipping the Cement Plants, by V. D. Lysenko, 4 pp, (pp 7, 8).

The Principal Trend of the Automation of Cement Production, by E. L. Itskovich, 6 pp. (pp 8-10).

Metalworking Equipment Shown at Vdnkh, 3 pp. RUSSIAN, per, Vdnkh SSSR, Informatsionnyy Byulleten', No 2, 1962, pp 8-10.

JPRS 14496

The Productivity of Social Labor and National Population Problems, by V. N. Starovskiy, 25 pp. RUSSIAN, per, <u>Vest Ak Nauk SSR</u>, No 5, 1962, pp 43-53.

JPRS 14679

Research and Development Activities at the Leningrad Affiliate of the All-Union Electrical Engineering Institute imeni V. I. Lenin, by L. S. Petrov, 7 pp.
RUSSIAN, per, Vest Elektropromyshlennosti, No 4, 1962, pp 8-11.

Selected Articles From the Russian Newspaper Vodnyy Transport.

JPRS 14605

JPRS 14637

7 Dec 1961. Repair Facilities on the Yenisey, by N. Sidorov, 5 pp.

24 Feb 1962. The Merchant Fleet Twenty Years From Now, by A. Gorinov, 7 pp.

6 Mar 1962. River Fleet Supports Agriculture, by Ye. Arkhipov, 3 pp.

27 Mar 1962. River Navigation Season Opens, 4 pp.

Selected Articles From the Russian Periodical Voprosy Ekon.

Funds, by N. Buzlyakov, 15 pp, (pp 36-46).

No 1, 1962. Planning the National Economy of the USSR Towards New Objectives, by B. Miroshnichenko, JPRS 14490 24 pp, (pp 3-18). Types of Supplementary Wages Payable in Kolkhoz Agriculture, by L. Suvorova, 18 pp, JPRS 14544 (pp 87-93). Effectiveness of Capital Investment and the Time Factor, by D. Chernomordik, 14 pp, (pp 122-131). JPRS 14819 At the Institute of Economics of the Academy of Sciences of the Armenian SSSR, 10 pp, (pp 152-156). JPRS 14819 No 4, 1962. Cooperative Financing and Capital Construction by V. Gerashchenko, 5 pp, (pp 23-25). JPRS 14490 On the Development of Social Consumption

Selected Articles From the Russian Periodical Voprosy Ekon. (Contd)

No 4, 1962. Coordinating Conference on the Application of Mathematical and Computer Methods in Economics, 34 pp, (pp 66-85).

JPRS 14490

No 5, 1962, pp 22-28.

Regarding the Operation of Economic Laws and Rational Management Under Socialism, by A. Pashkov, 10 pp.

JPRS 14782

No 6, 1962, pp 86-101. The Economic Effectiveness of Capital Investments and New Technology, 24 pp. JPRS 14490

The Small, All-Purpose "Rioni" Tractor for Mountainous Terrain, 3 pp. RUSSIAN, np, Zary: Vostoka, 14 May 1962.

JPRS 14693

Chemical Industry in the Service of Agriculture, by M. K. Nadtocheyeva, 4 pp. RUSSIAN, per, Zemledeliye, No 5, 1962, pp 83-86.

JPRS 14492

A Technical and Economic Review of the USSR Railroad Transport in 1961, 12 pp. RUSSIAN, per, <u>Zheleznodorozhnyy Transport</u>, No 3, 1962, pp 43-46.

JPRS 14605

Hydroponic Method of Growing Green Feed, by Yu. P. Vasyutinskiy, F. S. Shagoyan. RUSSIAN, per, Zhivotnovodstvo, Vol XXIV, No 1, 1962, pp 56-59. 9090911

USDA Tr A-1357

A Device for Transporting Large-Size Structural Components, by N. N. Shchekin, 5 pp. RUSSIAN, Patent No 139,942 (688664/29), 12 Dec 1960, 9677954

FTD-TT-62-756

USSR Political

Selected Articles From the Russian Periodical Kommunist.

No 9, 1962.

The Cooperation of the Socialist Countries is Gathering Strength, 10 pp, (pp 3-8).

The Party's Strength Lies in the Unity of Theory and Practice, by V. Snastin, 17 pp, (pp 9-18).

On Exactingness and Responsibility in the Matter of an Assignment, by F. Petrenko, G. Shitarev, 14 pp, (pp 26-33).

Art Which Has Become Part of the Life of Millions, by R. Yurenev, 17 pp, (pp 84-92).

Lippmann Versus Lippmann, by V. Korionov, 7 pp, (pp 101-105).

No 10, 1962.

Communism and Social Progress, by G. Glezerman, 20 pp, (pp 10-21).

The Contrast Between the Marxist and the Bourgeois Concepts of the Modern Era, by N. Iribadzhakov, 19 pp, (pp 22-31).

Education and Work Are Inseparable, by N. Ivan'kovich, 12 pp, (pp 69-75).

Militant Art (Notes of an Artist on the Political Foster), by V. Koretskiy, 9 pp, (pp 76-80).

On the Role and Character of the National Bourgoisie in the Countries of Asia, by G. Akopyan, o pp. RUSSIAN, per, <u>Mirovaya Ekon i Mezh Otnosh</u>, No o, 1902, pp 100-103.

JPRS 14870

JPRS 14580

USSR Political (Contd)

Communism and Science, by M. N. Rutkevich, 34 pp. RUSSIAN, per, Nauch Dok-Vysshey Shkoly, Filosofskiye Nauki, No 2, Mar/Apr 1962, pp 22-32.

JPRS 14510

Khrushchev and Pokrovskiy on the Global Rocket, by F. J. Krieger, 4 pp. RUSSIAN, np. Pravda, 16 Mar 1962. 9088193

RAND RM-3078/2-PR

Patents and Patent Law. Concerning an Imminent Problem in the Work of Inventors, by E. Maykapar, 7 pp. RUSSIAN, np, Pravda, 15 Jun 1962, p 3.

Patent Office Sci Lib

Transition to Communism, by Jean Vincent, 7 pp. FRENCH, np, Voix Ouvriere, Nos 125, 128, 148; 2, 6, 30 Jun 1962, p 1 in each issue.

USSR Military

From the History of Antiaircraft Defense, by V. P. Ashkerov, B. G. Zabelok, et al, 43 pp. RUSSIAN, bk, Voyska Protivovozdushnoy Oborony Strany, Chapter 1, 1960, pp 3-34. 9665759	FTD-TT-61-300	
XX. Century-Century of Speed - TU-124 Medium Range Jet Passenger Aircraft, by S. Yeger, 13 pp. RUSSIAN, per, Grazhdanskaya Aviats, No 4, 1962, pp 10-13. 9665764	FTD-TT-62-764	•
Selected Articles From the Russian Newspaper Krasnaya Zvezda.	,	*
1 Apr 1962, pp 2, 3. Combat Form, by A. Zelentsov, 6 pp.	JPRS 14561	
19 Apr 1962, p 3. Rocketeers of the Ground Troops, by V. Vikhrenko, 5 pp.	JPRS 14561	•
6 May 1962, p 4. Progress in Radioelectronics, by A. V. Gorasimov, 6 pp.	JPRS 14560	
7 May 1962, p 3. On Unused Lands, by F. Saushin, 4 pp.	JPRS 14644	
19 May 1962, p 3. The Operators, by V. Arkhipov, 6 pp.	JPRS 14644	;
27 May 1962, p 3. Forty Years of the Soviet Prosecutor's Office, by A. G. Gornyy, 4 pp.	JPRS 14644	
31 May 1962, p 3. Unit Monetary Funds, by V. N. Dutov, 4 pp.	JPRS 14644	
12 Jun 1962, p 1. Rocketeers on the Offensive, by V. Filatov, 3 pp.	JPRS 14561	
12 Jun 1962, p 4, Col 3-5. Nuclear Ordnance of Modern Armies, by V. Glazov.	*FTD-TT- 62 -109 6	,

USSR Military (Contd)

The state of the s

Tables of All-Union Aviation Records, 17 pp. RUSSIAN, per, Kryl'ya Rodiny, No 3, 1962, p 8. 9665763

FTD-TT-62-774

Cybernetics in Military Affairs, by N. Alpatov, 7 pp. RUSSIAN, per, Radio, No 2, 1962, pp 3-5.

JPRS 14560

Soviet Fighter and Bomber Aircraft, 14 pp. GERMAN, per, Austroflug, No 10, 1961, pp 8-10. 9665947

FTD-TT-62-567

Geographic

Maps in the Large Soviet Encyclopedia, by L. S. Garayevskaya. RUSSIAN, bk, <u>Sbornik Statey po Kartografii</u>, Glavnoye Upravleniya Geodezii i Kartografii MVD, SSSR, Vol VI, 1954, pp 17-23.

ACIC

Mosses From the Chanda Layers in the South-West Caucasus, by A. L. Abramova, I. I. Abramov. RUSSIAN, per, Vest Leningrad U, Ser Geolog 1 Geograf, Vol VI, No 1, 1959, pp 144-147.

NLL RTS 2075

Physiographic Zoning of the Urals, by A. A. Makunina, A. I. Solov'yev, 10 pp. RUSSIAN, per, Voprosy Fiz Geograf SSSR, 1959, Call No GB 236 G 99, Eng Trans.

Army Map Service

USSR

Sociological

Investigative Inspection and Preliminary Examination of Documents, by V. P. Vlasov, (DC-8026).
RUSSIAN, bk, Sledstvennyy Osmotr i
Predvaritel'noye Issledovaniye Dokumentov, 1961, 148 pp.

***JPRS**

Selected Articles From the Russian Periodical Kommunist.

No 2, 1962, pp 91-93. The Fervent Exposure of the Jesuits, by Ya. Minkyavichyus, 3 pp. JPRS 14551

No 9, 1962, pp 93-100. There is Need for a Well Thought-Out System of Scientific-Atheistic Training, by D. Ugrinovich, 14 pp. JPRS 14580

No 10, 1962. Sympathetic Consideration and Attention to the Human Individual, 11 pp, (pp 3-9). JPRS 14728

The Old Teaching Methods Are Out, by D. Valentey, 6 pp, (pp 81-83).

A New Textbook on Scientific Atheism, by M. Ovsyannikov, 16 pp, (pp 121-124).

A Popular Book on the Soviet Family, by G. Shakhnazarov, 4 pp.
RUSSIAN, per, Kommunist, No 10, 1962, pp 124, 125.

JPRS 14728

All is in Your Hands, Man! by A. Osipov, 7 pp.
RUSSIAN, np, <u>Literaturnaya Gazeta</u>, No 13, 30 Jan 1962, pp 2, 3.

USSR Sociological (Contd)

Selected Articles From the Russian Periodical Nauka i Religiya.

No 2, 1962. Program of the Party is an Order for Action, 20 pp, (pp 3-14). JPRS 14551

Every Educated Person is a Propagandist for Atheism, 5 pp, (pp 15-18).

The Seal of the Impoverishment of Faith, by Ye. Pirogov, 6 pp, (pp 51-54).

Marx and Engels on Islam, by M. Batunskiy, 5 pp, (pp 77-80).

No 5, 1962. All-Union Conference of Atheists, by P. N. Fedoseyev, 7 pp. JPRS 14657

Here They Are -- The Missionaries, by B. Godovannyy, 5 pp.

Where Will School Graduates Work?, by A. Vanyashova, 4 pp. RUSSIAN, np, Pravda, 8 Jun 1962, p 4.

JPRS 14681

Graduate Study Admissions Announced by Academy of Sciences Ukrainian SSR, 11 pp. RUSSIAN, np, Radyans 'ka Ukrayina.

JPRS 14494

Work of the Institute of Ethnography of the Academy of Sciences in 1961, by V. Aleksandrov, 7 pp. RUSSIAN, per, Sovetskaya Ethnografiya, No 2, 1962.

JPRS 14788

Ethnographic Study of the Socialist Culture and Life of Peoples of the USSR, by L. P. Potapov, 27 pp.
RUSSIAN, per, Sovetskaya Ethnografiya, No 2, 1962, pp 3-19.

USSR Sociological (Contd)

Longevity Among the Population of Eastern Siberia, by Va. M. Grushko, 5 pp. RUSSIAN, per, Sovet Zdravookhraneniye, Vol XXI, No 3, 1962.

JPRS 14235

Selected Articles From the Russian Periodical Teoriya i Praktika Fiz Kul'tury, No 5, 1962.

JPRS 14791

The Seventeenth Scientific Conference, by Sh. A. Ordukhanov, 3 pp.

Along the Path of Our Recommendations, by M. Ivanov, δ pp.

The Seventh Plenum of the Central Council of the Union of Athletic Societies and Organizations of the USSR, 15 pp.

Industrial Gymnastics in the Enterprises of the Ukraine, by M. V. Khazanovich, 8 pp.

The Number and Composition of the Scientists, and the Training of Scientists and Science Teachers in the USSR, by G. Kharat'yan, 23 pp. RUSSIAN, per, <u>Vest Statistiki</u>, No 4, 1962, pp 62-73.

JPRS 14544

Selected Articles From the Russian Periodical Voprosy Filosofii.

No 3, 1959, pr 40-53. Public Opinion as a Subject of Sociological Research, by A. K. Uledov, 37 pp.

JPRS 14780

No 6, 1960, pp 31-42. Socialism and Public Opinion, by A. K. Uledov, 37 pp. JPRS 14780

No 1, 1962. Philosophy and Science, by A. J. Ayer, 12 pp, (pp 96-105).

JPRS 14823

No! Philosophy is a Science, by I. V. Kuznetsov, 28 pp, (pp 106-112).

USSR Biographic

The statement of the st

Biographies of Soviet Scientist, 34 pp. RUSSIAN, np, per, 1961/1962.

JPRS 14734

Biographic Information on Danilo Semenovich Vorontsov, by O. F. Makarchenko, S. I. Fudel'osipova, P. H. Kostyuk, 14 pp. UKRAINIAN, per, Fiziologichnyy Zhur, Vol VIII, No 1, 1962, pp 3-12.

EASTERN EUROPE

Economic

Developments in Albania's Foreign Trade, 3 pp.
ALBANIAN, per, Zeri i Popullit, No 75, 29 Mar 1962, p 1.

JPRS 14661

National Income in a Socialist Society, by Derenik Alakhverdyan, 13 pp. BULGARIAN, per, Ikonomicheska Misul, No 5, 1962, pp 16-29.

JPRS 14818

Development of the Chemical Industry in the People's Republic of Bulgaria, by G. Pavlov, 17 pp.
BULGARIAN, per, Khimiya i Industriya, Vol XXXIV, No 2, pp 41-44.

JPRS 14787

The Law on Fiscal Control, by Sedefcho Atanasov, 21 pp.
BULGARIAN, per, Otchetnost i Kontrola v Selskoto Stopanstvo, Vol VII, No 5, 1962, pp 227-235.

JPRS 14511

The Relation Between Accumulation and Consumption in TKZs, by Kiril Damyanov, 9 pp.
BULGARIAN, per, Partien Zhivot, Vol VI, No 7, Jun 1962, pp 33-39.

JPRS 14741

For a More Correct Determination of Working Capital in Trade, by Anton Duchev, 14 pp.

BULGARIAN, per, Planovo Stopanstvo i Statistika, No 5, 1962, pp 51-60.

JPRS 14740

Standardization Tasks in Metallurgy, by Iv. Surbinova, 3 pp. BULGARIAN, per, Ratsionalizatsiya i Standartizatsiya, No 5, 1962, pp 30, 31.

And the second section of the second second

Selected Articles From the Bulgarian Periodical Trud i Tseni.

No 2, 1962. Results of the Use of the New Wage Rates in Industry, by Simeon Radev, 12 pp, (pp 15-26).

The New Factory-Plant Prices, by Petko Kanalev, 9 pp, (pp 27-36).

Tendencies in the Application of Various Forms and Systems in Workers' Wages, by Iliya Vulkov, 9 pp, (pp 37-46).

No 3, 1962. New Factory-Plant Prices in the Food Industry, by Nadezhka Dimitrova, 10 pp, (pp 25-33).

Remuneration for Extra and Night Work, by Solomon Israel, 9 pp, (pp 58-63).

The Mechanization of Loading and Unloading Operations in Rail Transport, by Dmitriy Sergeyevich Plyukhin, 12 pp. BULGARIAN, per, Zhelezoputen Transport, Vol XIV, No 3, 1962, pp 6-10.

Forthcoming Tasks in Sheep Raising, 6 pp. BULGARIAN, per, Zhivotnovodstvo, Vol XVI, No 6, 1962, pp 1-3.

The Problems of the Seed Service, by Zlatko Kolic, 32 pp. CROATIAN, per, Agronomski Glasnik, Vol XII, No 3, 1962, pp 185-194.

The Problem of Organizing an Agricultural Service in Yugoslavia, by Veceslav Pavlek, 9 pp.
CROATIAN, per, Agronomski Glasnik, Vol XII, No 3, 1962, pp 226-228.

JPRS 14818

JPRS 14871

6

JPRS 14740

JPRS 14698

JPRS 14511

Fixed Assets of Yugoslavia, 1946-1960, by Ivo Vinski, 43 pp. CROATIAN, per, Ekonomist, Vol XV, No 1, Jan/Mar 1962, pp 42-78.

JPRS 14663

Economic Policy and the Inclusion of the Yugoslav Economy in the World Division of Labor, by Dusan Calic, 20 pp. CROATIAN, per, Nasa Stvarnost, Vol XVI, No 4, 1962, pp 383-402.

JPRS 14835

The Regulating of Labor Relations Under New Social Conditions, by Borislav Jovic, 15 pp.

CROATIAN, per, Nasa Stvarnost, Vol XVI, No 4, 1962, pp. 449-460.

JPRS 14871

Yugoslav Trade With Asia, First Quarter of 1962, 4 pp. CROATIAN, per, Nedeljni Komentari, No 291, 30 May 1962, pp 600-603.

JPRS 14661

Strengthening Economic Principles in the Housing and Communal Area, by Bozidar Popovic, 28 pp. CRCATIAN, per, Nova Administracija, No 3, 1962, pp 234-242.

JPRS 14557

General Measuring-Sticks and Social Direction for Distribution of Net Income, by Branko Medeski, 13 pp.
CROATIAN, per, Socijalna Politika, No 4, 1962, pp 377-388.

JPRS 14663

Further Perfection of the Housing System, by Bozidar Popovic, 21 pp. CROATIAN, per, Socijalna Politika, No 4, 1962, pp 388-395.

JPRS 14557

New Possibilities for Construction of Urban Areas, by Veljko Kravic, 12 pp. CROATIAN, per, Socijalna Politika, No 4, 1962, pp 396-399.

Selected Articles From the Croatian Periodical Tehnika.

Vol XVII, No 5, 1962, pp 821-825. The Production and Consumption of Artificial Fertilizers, by Dzemal Drace, 16 pp.

Vol XVII, No 6, 1962. The Introduction and Implementation of the Principle of Cooperation Among Enterprises in Yugoslavia and Abroad, by Otmar Novak, 15 pp, (pp 1115-1119).

Industry of Metal Equipment and Metal Consumer Goods, by Stevan Conkic, 17 pp, (pp 1017-1022).

The Problem of Establishing Yugoslav Industrial Production, by Herman Ast, 16 pp, (pp 1023-1028).

Origin and Evolution of Agrarian Lands in Albania, by A. Blanc, 10 pp. FRENCH, per, Geografiska Annaler, Vol XLIII, No 1/2, 1961, pp 8-16. Call No Gl. G 39, Eng Trans.

Scientific-Technical Progress and the Character of Socialist Labor, by A. Knauer, 6 pp.
GERMAN, per, Arbeit und Sozialfuersorge, Vol XVII, No 11, Jun 1962, pp 252-256.

The Importance of the New East German-Lebanese Trade and Payments Agreement, by W. Polze, 4 pp.
GERMAN, per, Die Aussenhandel, No 8,
28 Apr 1962, pp 28, 29.

JPRS 14535

JPRS 14597

Army Map Service

JPRS 14562

Foreign Trade Planning by the State Planning Commission According to Countries, by S. Zscherpe, 6 pp. GERMAN, per, Die Aussenhandel, No 11, 6 Jun 1962, pp 7-9.

JPRS 14642

The Problem of Above-Plan Stocks, by il. Fichte, 7 pp. GERMAN, per, Die Aussenhandel, No 11, 6 Jun 1962, pp 30-32.

JPRS 14642

New Methods of Increasing Profitability of Exports, by J. Burberg, 8 pp. GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, Vol XII, No 9, 9 May 1962, pp 7-9.

JPRS 14813

On the Reorganization of the East German Foreign Trade Bank Network, by H. Kulinat, 8 pp. GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, Vol XII, No 9, 1962, pp 30-32.

JPRS 14814

Using Piraeus Free Port to Increase East German Exports, by P. Urbig, 4 pp. GERMAN, per, Der Aussenhandel und der Innerdeutsche Handel, Vol XII, No 10, 23 May 1962, pp 20, 21.

JPRS 14530

Selected Articles From the German Periodical Deutsche Finanzwirtschaft.

No 8, Apr 1962, pp 8-10. On Some Basic Problems of Long-Range Financial Planning, by Friedmar John, Erhard Vogel, 11 pp.

JPRS 14562

No 9, May 1962. Peasants Bank and New Regulations, by Werner Harborth, 3 pp, (pp G5-G6).

Selected Articles From the German Periodical <u>Deutsche Finanzwirtschaft</u>. (Contd)

No 9, May 1962. Further Development of Complex-Territorial Financial Planning, by Paul Wolf, 8 pp, (pp 13-16)

JPRS 14642

No 10, 1962. The Problem of Savings in East Germany, by Willi Luchterhand, Klaus Kolloch, 5 pp, (pp G1-G3). JPRS 14814

The Importance of Maximum Utilization of Available Modern Technology, by Horst Steeger, Gerhard Schilling, 6 pp, (pp F2-F4).

For a New Quality in the Work of the German Academy of Agricultural Sciences in Berlin, by E. Plachy, 33 pp. GERMAN, per, Die Deutsche Landwirtschaft, No 3, 1962, pp 105-110, No 6, 1962, pp 265-272.

JPRS 14535

New Technology -- New Forms, by Friedrich Macher, 12 pp. GERMAN, per, Einheit, Vol XVII, No 5, 1962, pp 33-42.

JPRS 14562

Increase of Material Production -- Prerequisite for Higher Consumption, by Werner Vorwerk, 11 pp. GERMAN, per, Einheit, Vol XVII, No 5, 1962, pp 43-52.

JPRS 14562

The Balance Sheet of Flood Damage, 3 pp. GERMAN, per, Erdol-Informationsdienst, Vol XV, No 33, 1962, pp 5, 6. Call No TN860 E65, Eng Trans.

Army Map Service

Preparations for Fall Railroad Freight Traffic, by Heinz Kruger, 9 pp. GERMAN, per, Fahrt Frei, No 20, 15 May 1962, p 3.

JPRS 14557

Twenty New Dining Cars Since January 1962, by Karl Fensky, 4 pp. GERMAN, per, Der Operative Dienst, No 6, 1962, pp 189-190.

JPRS 14557

Standardization of Parts and Types in Machine-Building of CEMA Countries, by Friedrich Holland, 3 pp. GERMAN, per, Presse-Informationen, No 69, (2189), 15 Jun 1962, pp 5, 6.

JPRS 14678

International Press Conference of the Shipbuilding Industry at the Leipzig Spring Fair 1962, by H. Homburg, 7 pp. GERMAN, per, Schiffbautechnik, Apr 1962, pp 169-171; Encl to B-140-62 to Cincusnaveur Rep, Berlin, Apr 1962.

Dept of Navy ONI 5149126

The 30 December 1961 Regulation Concerning the Safeguarding of the East German Sea Border, by J. Haalck, H. Rickmann, 5 pp.
GERMAN, per, Seeverkehr, No 5, 1962, pp 44-46.

JPRS 14586

Automatic Trouble Shooters on Safety Fuse Equipment, by W. Kosel, 7 pp. GERMAN, per, Signal und Schiene, No 6, 1962, pp 230-232.

JPRS 14697

Application of GOST Standards to the East German Economy, by Horst Pohler, 6 pp.
GERMAN, per, Signal und Schiene, No 6, 1962, pp 232-234.

Safeguarding the Transport Routes at East Germany's Western Border, by A. G. Schuchardt, 9 pp. GERMAN, per, Signal und Schiene, No 6, 1962, pp 234-238.

JPRS 14697

Some Current Problems of the Construction Industry, 3 pp.
GERMAN, per, Silikattechnik, No 5, 1962, pp 151, 152.

JPRS 14586

The Economic Crisis in East Germany, 25 pp. GERMAN, per, Der Spiegel, Vol XVI, No 30, 25 Jul 1962, pp 22-33.

JPRS 14772

Status of Training of Persons Employed in Socialist Agricultural and Forestry Enterprises, by Helga Grosshans, 15 pp. GERMAN, per, Statistische Praxis, No 5, 1962, pp 116-119, 126.

JPRS 14535

Problems of Cooperation Between Machine Building and Chemical Industry, by H. Jechorek, J. Neumann, 6 pp. GERMAN, per, Die Wirtschaft, Vol XVII, No 22, 30 May 1962, p 13.

JPRS 14678

On the Development of Gross Capital Investments in East Germany, 5 pp. GERMAN, per, Wochenbericht, Vol XXIX, No 24, 1962, pp 105-107.

JPRS 14642

Computation of Costs for the Operation of Draft and Work Machinery in Agricultural Field Work, by H. Bunge, 15 pp. GERMAN, per, Z. fuer Agraroekonomik, Vol V, No 5, 1962, pp 142-146.

JPRS 14508

Missions and Problems of Production Technology in Socialist Agriculture, by P. Stopporka, 14 pp. GERMAN, per, Z. fuer Agraroekonomik, Vol V, No 5, 1962, pp 151-156.

Industry.
HUNGARIAN, rpt, 22 May-3 Jun 1962,
OUSARMA, Hungary, Encl to R-174-62.

ID 2204291

Technical and Economic Problems of Converting Production of Nitrogen Fertilizer to a Natural Gas Basis in Hungary, by Tamas Bereczky, 21 pp. HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XVII, No 4, 1962, pp 155-159.

JPRS 14597

Selected Articles From the Polish Periodical Chemik.

Vol XV, No 4, 1962. Water and Waste Problems in the Metallurgical Industry, by Jan Slepowronski, 8 pp, (pp 131-134).

JPRS 14563

The Production of Glass Laboratory Apparatus in Poland, by Boleslaw Pfutzner, 4 pp, (pp 134-136).

Photochemical-Industry Conference in Warsaw, by Henryk Stepniak, 6 pp, (pp 142-144).

Vol XV, No 5, 1962. Investments in the Chemical Industry From the Standpoint of Construction, by Stefan Farjaszewski, Julian Kiersnowski, 8 pp, (pp 153-170). JPRS 14853

Poland's Artificial Fiber Industry in Future Plan Extending to 1980, by Marian Sobolewski, 13 pp (pp 156-160).

The First of May in Power Engineering, 8 pp. POLISH, per, Energetika, No 5, 1962, pp 129-131.

Exchanges in Land Tax, by Henryk Dukalski, Jozef Gabjan, 14 pp. POLISH, per, Finanse, Vol XIII, No 5, 1962, pp 24-35.

JPRS 14736

Trends of Development in the Gas Industry of Poland in the Years 1965-1980, by Antoni Balczewski, 6 pp.
POLISH, per, Gaz Woda i Technik Sanitarna, No 5, 1962, pp 162-164.

JPRS 14579

Western European Integration and Its Effect on Polish Foreign Trade, by Bohdan Laczkowski, 19 pp. POLISH, per, Gospodarka Planowa, No 10, 1961, pp 38-46.

JPRS 14716

Selected Articles From the Polish Periodical Handel Zagraniczny.

JPRS 14661

No 5, 1962, pp 199-201. Present State of Indirect Trade and the Requirements of Trade Policy, by Marian Paszynski, 7 pp.

No 6, 1962. Some Problems in Trade Expansion With the Underdeveloped Countries of Asia, Africa, and South America, by Janusz Burakiewicz, 17 pp, (pp 244-247).

The International Socialist Division of Labor -- Its Present State and Possibilities for Further Development, by Jerzy Drewnowski, 17 pp, (pp 251-255).

Reciprocal Trade of Socialist Countries, by Jerzy Bielecki, 15 pp, (pp 255-259).

Polish Trade With Industrialized Western Countries, by Jan Brzeski, 11 pp, (pp 259-261).

Selected Articles From the Polish Periodical Handel Zagraniczny. (Contd)

JPRS 14661

No 6, 1962. Problems of International Trade Agreements Between Socialist and Capitalist Countries, by Kazimierz Rowny, 24 pp, (pp 274-279).

Selected Articles From the Polish Periodical Inwestycje i Budownictwo.

No 12, 1961, pp 5-11. Investments in 1956-1960, by Aleksander Szerwentke, 13 pp.

Szerwentke, 13 pp.
No 5, 1962.

Investments in 1961, by Aleksander Szerwentke, 13 pp, (pp 3-8).

Experimental Construction in 1960-1961, by Halina Czyzynska, 12 pp, (pp 26-30).

The Central Laboratory of the Gas Industry - Research Base for the Gas Industry, by Antoni Balczewski, 6 pp. POLISH, per, Koks-Smola-Gaz, No 2, Mar/Apr 1962, pp 49-51.

Cooperation of Socialist Countries in Regional and Urban Planning, by M. Benko, 5 pp.
POLISH, per, Miasto, No 5, 1962, pp 1-3.

Selected Articles From the Polish Periodical Nauka Polska, Vol X, No 2 (38), 1962.

Assumptions of Long-Term Plan for Development of Polish Science, by Ignacy Malecki, 22 pp, (pp 3-18).

Analysis of Processes of Industrialization and Location of Industry in Poland, by Kazimierz Secomski, 23 pp, (pp 31-47).

JPRS 14736

JPRS 14736

JPRS 14863

JPRS 14849

JPRS 14835

Selected Articles From the Polish Periodical Nauka Polska, Vol X, No 2 (38), 1962. (Contd).

JPRS 14585

Program of Activities for the Institute of Scientific Research of the Upper Silesian Industrial Okreg in Zabrze, by Eugeniusz Zacynski, 21 pp, (pp 95-102).

Activities of the Polish Chemical Society, by Alicja Dorabialska, 18 pp, (pp 115-120).

1961-1980 Development Plan for Polish Science Discussed at the 13th General Assembly of Members of the Polish Academy of Sciences, by Halina Jarnuszkiewicz, 32 pp, (pp 159-169).

Reorganization of the Network of Centers and Committees of the Polish Academy of Sciences, by Maciej Gorzechowski, 34 pp, (pp 170-180).

Regulations on Employment and Salary, 5 pp, (pp 181, 182).

Problem of Supply and Demand in Domestic Trade, by S. Betkowski, A. Bodnar, S. Sitek, 14 pp.
POLISH, per, Nowe Drogi, Vol XVI, No 6, 1962, pp 11-20.

JPRS 14504

New Directions in Cooperation, by A. Bodnar, 4 pp. POLISH, per, Polityka, No 25, 23 Jun 1962, pp 1, 10.

Investment Problems of "Centroziom" - Part II, by Zbigniew Pruzinski, 13 pp. POLISH, per, Problemy Projektowe Hutnictwa i Przemyslu Maszynowego, Vol X, No 5, 1962, pp 146-153.

JPRS 14678

Selected Articles From the Polish Periodical Przeglad Elektrotechniczny.

Vol I, No 5, 1962. Present State and Development Trends in Electrical Accessories and Electro-Ceramic Industry, by Zbigniew Dohnalek, 12 pp, (pp 199-202). JPRS 14775

Present State and Development Trends in the Telecommunications Industry, by Jerzy Mik, 18 pp, (pp 202-207).

Present State and Development Trends in the Electronic Industry, by Jacek Kijak, 24 pp, (pp 207-214).

Vol XXVIII, No 5, 1962. Present State and Development Trends in Electrical Machines Industry, by L. Zienkowski, 25 pp, (pp 181-190). JPRS 14678

Present State and Development Trends in Electric Apparatus Industry, by Kazimierz Sokalski, 9 pp, (pp 191-195).

Present State and Development Trends in Electrical Cable Industry, by Jerzy Unrug, 14 pp, (pp 195-199).

Achievements of the Kedzierzyn Nitrogen Plant, by Jan Ptasiewicz, 4 pp. POLISH, per, Przeglad Techniczny, No 25, 24 Jun 1962, p 12.

Power Engineering in Wojewodztwo Opolskie, by Stanislaw Rosinski, 4 pp. POLISH, per, Przeglad Techniczny, No 25, 24 Jun 1962, pp 12, 13.

JPRS 14678

Problem of Fatty Acids in Poland, by Karol Nowak, Zbigniev Rokossowski, 8 pp. POLISH, per, Przemysl Chemischy, Vol XLI, No 5, 1962, pp 234-236.

JPRS 14579

Recent Developments in the Chemical Industry, 7 pp.
POLISH, per, Przemysl Chemiczny, Vol XLI,
No 5, 1962, pp 281-283.

JPRS 14579

Efforts of the State Mining Council (Panstwowa Rada Gornictwa), by Jerzy Szawdyn, 5 pp.
POLISH, per, Wiadomosci Gornicze, No 5, 1962, pp 171-173.

JPRS 14597

Furnace Automatic Systems, by T. Selbirak, M. E., 6 pp.
POLISH, per, <u>Wiadomosci Hutnicze</u>, Vol XVII, No 5, 1962, pp 145-145.

JPRS 14597

Farm Credit Assistance in 1961, by Tadeusz Wyszomirski, 13 pp. POLISH, per, Wies Wspołczesna, No 5, 1962, pp 43-49.

JPRS 14736

Branch Coordination in Construction Materials Industry, by Zygmunt Kolakowski, 5 pp.
POLISH, per, Zycie Gospodarcze, No 25, 24 Jun 1962, p 5.

JPRS 14579

Chemistry an Invaluable Aid to Agriculture, by Lucian Cursaru, 4 pp. RUMANIAN, np, Agricultura Noua, No 847, 8 Jun 1962, pp 1, 4.

Selected Articles From the Rumanian Periodical Electrotehnica, Vol X, No 6, 1962.

in the Development of Collective Farms, by V. Ciobanu, 14 pp.
RUMANIAN, per, Finante si Credit, No 5,

1962, pp 45-56.

No 6, 1962.	
Progress of the Electrotechnical Industry in Rumania, by Nicolae Ghita, 9 pp, (pp 191-196).	JPRS 14775
Development of the Power Industry in Rumania, by Nicolae Gheorghiu, 9 pp, (pp 198-205).	JPRS 14787
Some Problems of the Economic Efficiency of Introducing New Engineering, by Alexandru Ivancenco, 12 pp, (pp 206-214).	JPRS 14775
Development of the Electronics Industry in Rumania, by Dumitru F. Lazaroiu, 6 pp, (pp 231-235).	JPRS 14775
Designing of the BicazSingeorgiu Ludus 220-Kilovolt Line, by P. Militaru, C. Petrescu, C. Marinescu, 18 pp. RUMANIAN, per, Energetica, Vol X, No 5, May 1961, pp 181-189.	JPRS 14571
Construction of the BicazSingeorgiu Ludus 220-Kilovolt Line, by D. Ceapiru, M. Ionescu, I. Pestrea, 9 pp. RUMANIAN, per, Energetica, Vol X, No 5, 1961, pp 189-197.	JPRS 14 5 71
Improvement in Operation of Machine Tractor Stations an Important Factor	

<

Problems Confronting the State Insurance Agency in Insuring Collective Farms and Farmers, by Valeriu Soreanu, 5 pp. RUMANIAN, np, Gazeta Finantelor, 30 May 1962, pp 1, 5.

JPRS 14741

The Liquidation of Above-Norm Inventories in the Local Economy, 6 pp.
RUMANIAN, np, Gazeta Finantelor, Vol X,
No 465, 6 Jun 1962, pp 1, 2.

JPRS 14697

Information on Rumanian Light Industry, 3 pp.
RUMANIAN, per, Industria USOARA, No 5, 1962, pp 203, 204.

JPRS 14571

The Development of Agricultural Production, by T. Muresan, N. Sarpe, 21 pp. RUMANIAN, per, Lupta de Clasa, Vol XLII, No 5, 1962, pp 32-43.

JPRS 14535

Problems of the Agricultural Machinery Industry, by Constantin Tuzu, 14 pp. RUMANIAN, per, Lupta de Clasa, Vol XLII, No 6, 1962, pp 3-13.

JPRS 14678 -

New Perspectives for the Mechanization of Agriculture, by Toma Dragos, 10 pp. RUMANIAN, per, Mecanizarea si Electrificarea Agriculturii, No 3, 1962, pp 1-5.

JPRS 14725

The Modernization of Machine Tools, by Waldemar Chetu, 9 pp.
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XIV, No 4, 1962, pp 353-358.

JPRS 14597

Ten Years of Scientific and Technical Activity in the Oil and Gas Industry in Rumania: 1950-1960, by Gheorghe Aldea, 8 pp.

RUMANIAN, per, Petrol si Gaze, Vol XII, No 4, 1961, pp 181-184.

Eastern Europe
Economic (Contd)

Extension of New Technology in the Petroleum Industry, 3 pp. RUMANIAN, per, Petrol si Gaze, No 5, 1962, pp 239, 240.

JPRS 14672

The Role of Industrial and Urban Central Heating in the Rational Use of Power Resources in Rumania, by M. Bercovici, I. D. Stancescu, 12 pp. RUMANIAN, per, Probleme Economice, Vol XV, No 4, 1962, pp 55-68.

JPRS 14564

Development of Social Property as the Principal Means of Strengthening Collective Farms, by P. Ciuciu, F. Szabo, 21 pp.

RUMANIAN, per, Probleme Economice, Vol XV, No 5, 1962, pp 45-60.

JPRS 14698

National Coordination of Different Types of Transportation, by A. Schaechter, 18 pp. RUMANIAN, per, Probleme Economice, Vol XV, No 5, 1962, pp 75-88.

JPRS 14697

Combined Truck and Railroad Transport, 7 pp.
RUMANIAN, per, Revista Cailor Ferate, Vol X, No 5, 1962, pp 217, 218.

JPRS 14777

The Mechanization of Railroad Loading and Unloading Operations, by Pavel Taune, 9 pp.
RUMANIAN, per, Revista Cailor Ferate, Vol X, No 5, 1962, pp 233-236.

JPRS 14777

Characteristic Features in Passenger Traffic Over Our Railway Systems, by Radu Stelian, 5 pp.
RUMANIAN, per, Revista Cailor Ferate, No 6, 1962, pp 302, 303.

Eastern Europe Economic (Contd)

į

₹

Data on Development of Rumanian Agriculture, 6 pp.
RUMANIAN, per, Revista de Statistica,
Vol XI, No 4, 1962, pp 6-10.

JPRS 14584

Principal Indicators Characterizing the Economic Consolidation of Collective Farms, by M. Levente, 21 pp.
RUMANIAN, per, Revista de Statistica, Vol XI, No 4, 1962, pp 13-27.

JPRS 14584

Intensification of Agricultural Production Under Conditions of Socialist Agricultural Reorganization, by V. V. Topor, 13 pp.

RUMANIAN, per, Revista de Statistica, Vol XI, No 5, 1962, pp 26-34.

JPRS 14778

New Census of the Traffic on Roads of the Rumanian People's Republic, by V. Marinescu, 7 pp. RUMANIAN, per, Revista Transporturilor, Vol IX, No 4, 1962, pp 217, 218, Call No HE7.R45, Eng Trans.

Army Map Service

The Need for Cooperation Among the Producers and Users of Motor Vehicles and Repair Plants, by D. Vochin, 7 pp. RUMANIAN, per, Revista Transporturilor, Vol IX, No 6, 1962, pp 270-272.

JPRS 14740

Standardization in the Rumanian Electrotechnical Industry, by I. Miletineanu, 10 pp.
RUMANIAN, per, Standardizarea, Vol XIV, No 6/7, 1962, pp 318-324.

JPRS 14678

The Development of Hydroelectric Plants in Rumania, by Cristea Mateesca, 16 pp. RUMANIAN, per, Standardizarea, No 6/7, 1962, pp 339-349.

Eastern Europe Economic (Contd)

Chemistry to the Aid of Agriculture, by S. Benari, H. Iordan, 5 pp. RUMANIAN, np. Technica Nous, No 25 (369), 20 Jun 1962, pp 1, 2.

JPRS 14787

Achievements and Trends in Construction of kolling Mills in the Steel Industry, by P. Ianculescu, 3 pp. RUMANIAN, np, Technica Noua, Vol IX, No 26 (370), 27 Jun 1962, p 4.

JPRS 14775

Recent Soviet Press Comment on East-West Economic Competition, 90 pp.
RUSSIAN, per, Mirovaya Ekon i Mezh
Otnosheniya, No 4, 1962, pp 21-36;
68-98.

JPRS 14607

Locomotive and Railway Car Management on Rumanian Railroads, by Konstantin Stoyan, 7 pp.
RUSSIAN, per, Zheleznodorzhnyy Transport, No 12, 1961, pp 13-18.

ACSI I-1166 ID 2196084

Yugoslav Center for Electrification of Agriculture and Villages, by V. Zlokovic, 5 pp.
SERBOCROATIAN, per, Elektroprivreda,

No 2/3, 1962, pp 113, 114.

Eastern Europe Political

ŧ

A Living Expression of the Moral and Political Unity of the People, 9 pp. ALBANIAN, per, Rruga e Partise, No 5, 1962, pp 3-9.	JPRS 14568
Let Us Raise the Level of Scientific- Atheistic Propaganda to Conform to the Demands of the Times, by Vaske Aristidhi, 9 pp. ALBANIAN, per, Rruga e Partise, No 5,	1000 14540
1962, pp 23-30.	JPRS 14568
Internal Democracy and Its Role in Party Activities, by Ngjeli Toka, 8 pp. ALBANIAN, per, Rruga e Partise, No 5, 1962, pp 31-37.	JPRS 14568
Dialectics and Dogmatism, by Asen Charakchiev, 18 pp.	
BULGARIAN, per, Filosofska Misul, No 2, Mar/Apr 1962, pp 3-17.	JPRS 14727
Law and Legality, by Vut'o Ts. Petkov, 17 pp.	
BULGARIAN, per, Filosofska Misul, No 2, Mar/Apr 1962, pp 18-31.	JPRS 14749
Is the Personality Cult Inherent Under Socialism?, by Stoyko Popov, 12 pp. BULGARIAN, per, Filosofska Misul, Vol XVIII, No 2, 1962, pp 122-132.	JPRS 14727
Let Us Increase the Activities and Initiative of Rural Party Organizations, by Stoyu Stanoyev, 12 pp.	
BULGARIAN, per, Novo Vreme, Vol XXXVIII, No 6, 1962, pp 78-88.	JPRS 14568
Certain Problems in Party Guidance of Ideological Work, by Mircho Cimitrov, Nikolay Mladenov, 17 pp.	
BULGARIAN, per, Partien Zhivot, No 9, 1962, pp 12-18.	JPRS 14846

Eastern Europe Political (Contd)

Selected Articles From the Bulgarian Periodical Pravna Misul, Vol VI, No 2, 1962.

JPRS 14727

The Legal Status of Temporary Executive Committees in Bulgaria, by B. Stankov, 9 pp, (pp 29-37).

Some Features of the Legal Status of Rayon People's Councils in the Territory of the Sofia Urban People's Council, Bulgaria, by Nikola Muleshkov, 11 pp, (pp 38-47).

The Responsibilities of People's Pepresentatives and Their Recall, by Nikola Iv. Kunev, 8 pp, (pp 93-97).

Conference on the Work of Bulgarian Comrades Courts, by R. M., 7 pp, (pp 112-115).

Toward New Horizons, 10 pp. BULGARIAN, np, Septemvri, No 6, 1962, pp 3-11.

JPRS 14568

Problems of Leadership and Relationships in the International Worker Movement, by Punisa Perovic, 62 pp.
CROATIAN-SERBIAN, per, Nasa Stvarnost, Vol XVI, No 3, 1962, pp 251-292.

JPRS 14573

On Certain Questions of the Socialist State by Zdenek Jieinsky, Pavel Levit, 6 pp. CZECH, per, Tvorba, No 21, 24 May 1962, pp 481, 482.

Eastern Europe Political (Contd)

ŧ

Selected Articles From the German Periodical Einheit.

JPRS 14720

Marx Versus Lenin -- State, Democracy, Freedom, by Martin Helmer, 33 pp.

llumanistic Socialism, 25 pp,
(pp 1-23).

Tie Problem of Leninism, by Juergen Staufer, 33 pp, (pp 3-16).

The Structure of Totalitarian Power and Soviet Foreign Policy, by Stephan G. Thomas, 15 pp, (pp 17-23). Eastern Europe Military

1961, 248 pp.

Principles of Medical Defense, 104 pp. BULGARIAN, bk, Osnovi na Mediko Sanitarnata Zashtita, Sofia, 1959, pp 319-366.

JPRS 14705

Atomic Biological Chemical Warfare and Defense 539 pp.
CROATIAN, bk, Atomska Bioloshka Hemiska Orushja i Zashtita, 1960, pp 5-426.

JPRS 14284

Interior Service Regulations of the Armed Forces of Czech - Socialist Republic, 119 pp.
CZECH, bk, Rad Vnitrni Sluzby Ozbrojenych sil Ceskolovenske Socialisticke Republiky,

ACSI I-1179 ID 2196087

Speech at a Meeting of Soldiers Excelling in Combat and Political Training, by Bohumir Lomsky, 9 pp.
CZECH, np, Obrana Lidu, Jun 1962, pp 4, 5.

JPRS 14717

Radioelectronics in the Army, by Jan Szarek. POLISH, rpt, Radioelektronika na Uslugach Wojsk, 1961, pp 7-199, Encl No 1 to R-496-61, ARMA, Poland.

*ACSI I-1715 ID 2188049

The Indispensability of Propaganda in Civil Defense, by Branko Pavlovic, 7 pp. SERBIAN, per, Civilna, No 6, Nov/Dec 1961, pp 5-9.

JPRS 14717

Development and Importance of Mortar as a Combat Field Weapon, by O. Dinic, 6 pp.
SERBO-CROATIAN, per, Vojni Glasnik, No 7/8, 1961, pp 59-64.

ACSI I-1497 ID 2198561

Geographic

Geographic Changes in the Soviet Bloc, by Sandor Rado, 4 pp. HUNGARIAN, per, Geodezia es Kartografia, Vol XIV, No 2, 1962, pp 119-123.

Eastern Europe Sociological

The Legal Status of Minor Blue- and White-Collar Workers, by Trayan Lyalev, 5 pp. BULGARIAN, per, Trud i Tseni, No 3, 1962, pp 52-57.

JPRS 14721

Prevention of Blindness and Rehabilitation of the Blind, by Sima Tasic, 4 pp. CROATIAN, per, Socijalna Politika, No 4, 1962, pp 410-413.

JPRS 14721

Directives of the Czechoslovak State Commission for Scientific Degrees, 53 pp. CZECII, per, Vestnik Ministerstva Skolstvi a Kultury, Vol XVIII, No 11, 20 Apr 1962, pp 156-171.

JPRS 14781

The Wustrow Merchant Marine School -- a Training Center for Socialist Marine Officers by Willy Anders, 10 pp. GERMAN, per, Seeverkehr, No S, 1962, pp 13-17.

JPRS 14586

Doctoral Studies in 1961 at Centers of the Polish Academy of Sciences, by Maciej Gorzechowski, 15 pp. POLISH, per, Nauka Polska, Vol X, No 2 (38), 1962, pp 183-187.

JPRS 14585

Activities of the Commission on the Qualification of Scientific Workers and of the Divisions of the Polish Academy of Sciences, by Anastazja Strus, 16 pp. POLISH, per, Nauka Polska, Vol X, No 2 (38), 1962, pp 190-194.

JPRS 14585

Awards to Polish Scientists and Scholars, 3 pp. POLISH, per, Nauka Polska, Vol X, No 2 (38), 1962, pp 200-201.

Eastern Europe Sociological (Contd)

Church and State in People's Hungary, by Sandor Orban, 5 pp.
RUSSIAN, per, Nauka i Religiya, No 5, 1962, pp 65-67.

JPRS 14657

A Report on the Turkish Minority in Bulgaria, by Izzet Riza Yalin, 34 pp. TURKISH, np, Gozkurt, 30 Jun-11 Jul 1962.

JPRS 14856

Biographic

Directory of Government Organs, Institutions, and Organizations in the City of Zagreb, 40 pp. CROATIAN, Directory, Adresar Organa, Ustanova i Organizacija u Gradu Zagrebu, 1961, pp 5-34.

JPRS 14847

Biographic Information on Dr Josef Hepner, by Vilem Laufberger, 7 pp. CZECH, per, Casopis Lekaru Ceskych, Vol CI, Nos 24, 25; 22 Jun 1962, pp 738, 739.

JPRS 14615

Biographic Information on Prof. Endr Rudolf Jirkovsky, by T. Chlebovsky, 8 pp. CZECH, per, Chemicke Listy, Vol LVI, No 5, 1962, pp 574-576.

JPRS 14729

Ignacy Malecki, by Leszek Filipczynski, 6 pp.
POLISH, per, Nauka Polska, Vol X,
No 2 (38), 1962, pp 67-70.

JPRS 14585

Bogumil Pawlowski, 5 pp. POLISH, per, Nauka Polska, Vol X, No 2 (38), 1962, pp 71-74.

WESTERN EUROPE

Economic

Provisional Industrial Council for Nuclear Energy, by J. W. Pous, 3 pp. DUTCH, per, Electrotechniek, Vol XL, No 9, 1962, p 228, Call No TK4 351, Eng Trans.

Army Map Service

Hakaniemi Bridge, by Bostman and Sandstrom, 8 pp. FINNISH, per, Rakennustaito, Vol LVII, No 1/2, 1962, pp 4-10, Call No TH4.R16, Eng Trans.

Army Map Service

Longshort Drift; Formation of Spits and Tombolos, by Sauvage de St. Marc, 30 pp. FRENCH, rpt, <u>Froceedings of the Fifth Conference on Coasta! Engineering</u>, 1955, pp 296-328, Call No IC 203 C 6; 5th, Eng Trans.

Army Map Service

Economic Methods and Industrial Management, by J. Lesourne. FRENCH, bk, 700 pp.

*Prentice-Hall, Inc.

Optimum Investments, by P. Masse. FRENCH, bk, 500 pp.

*Prentice-Hall, Inc.

Theory of Interest, by F. A. Lutz. GERMAN, bk, 200 pp.

*Reidel Pub. Co

Standardization of Bituminous Materials in Holland, by A. Rick.
GERMAN, per, Bitumen, Terre, Asphalte,
Peche und Verwandte Stoffe, Vol VIII,
No 7, 1957, pp 246-249.

CSIRO 3876

Properties of Chemically Modified Wool, and the Possibilities of Its Practical Application, by G. Nitschke. GERMAN, per, Deutsche Textiltechnik, Vol X, No 2, 1960, pp 75-80, No 3, pp 153-156.

CSIRO 5263

Western Europe Economic (Contd)

Discussion of the "Phosphate Question" in Relation to the Regulations Governing Meat Inspection and Foodstuffs, by L. Kotter.

GERMAN, per, Die Fleischwirtschaft, Vol IX, No 11, 1957, pp 696-701.

CSIRO 3855

Modern House Installation, by B. Growe. GERMAN, per, Gas—und Wasserfach, Vol CXVII, 1956, pp 560-564.

CSIRO

The Accumulator Industry, by D. Everts. GERMAN, per, Metall, No 7, 1953, pp 881-885.

CSIRO

Social Costs in Housing Construction, by P. Pohl. GERMAN, per, Mitteilungen aus dem Institut fuer Raumforschung, No 4, 1959.

NZDIA

Austria's Trade With the East Bloc, 12 pp.
GERMAN, np., Neue Zuercher Zeitung, 3 Jun 1962, p. 11.

JPRS 14530

Local Communities and the Size of Local Bodies in Intermediate Areas, the Typical Case of Sennestadt, by H. Werner.

GERMAN, per, Raumordnung und Raumforschung, No 3/4, 1957.

N2DIA

Some Investigations Concerning Hardening Pressure and Hardening Time in the Sand-Lime Brick Industry, by G. Pohl. GERMAN, per, Zement-Kalk-Gips, Vol X, No 9, 1957, pp 354-359.

CSIRO 3914

Application of the Theory of Graphs to Economics, by G. Avando Bodino, 128 pp.
ITALIAN, bk.

Gordon & Breach

Western Europe Economic (Contd)

Research Councils of Norway, 19 pp. NORWEGIAN, pamphlet, 1962, OUSARMA, Norway, Encl to R-48-62.

ID 2205049

The Eucalypt and the Steel Industry, by L. Osse.
SPANISH, per, Anuario Brasileiro de Economia Florestal, No 9, 1957, pp 3-15.

CSIRO 3814

Swedish Transport Direction - 1961-1962. SWEDISH, bk, Sverigen Transportaklender - 1961-1962, 1961/1962, pp 43-131, 161-168, Encl No 1 to R-72-62, OUSARMA, Stockholm, Sweden.

*ACSI I-1670 ID 2201050

Development of the Economic Life of Helsinki, Disposition Concerning the Land, Residential Area, Technical Services, 36 pp.

SWEDISH, per, Forslag Til Generalplan for Helsingfors, 1953-1960, pp 30-51, 59-60, 89, 90, Call No NA 9242 H4 H47, Eng Trans.

Army Map Service

New State Icebreaker, 5 pp.
SWEDISH, per, Marin Nytt, No 2, 1962,
p 8; Encl 2 to 111-62 to USNA, Stockholm,
1962.

Dept of Navy ONI 5149030

How Does the Icebreaker Service Work, 5 pp. SWEDISH, per, Marin Nytt, No 2, 1962; p 3; Encl 3 to 111-62 to USNA, Stockholm, 1962.

Dept of Navy ONI 5149030

The Industry of Skane, by Gah, 9 pp. SWEDISH, per, Teknisk Tidskrift, No 15, 1962, pp 409-411, Call No T4 T27 V92, Eng Trans.

Army Map Service

Western Europe Political

Danish Socialist People's Party Publishes Frogram Booklet, by Gert Petersen, 5 pp. DANISH, per, SF (Socialist People's Party), Vol 1V, No 26, 29 Jun 1962, p 7.	JPRS 14684
The Workers' Movement and the Communists, by Jarno Pennanen, 4 pp. FINNISH, per, <u>Tilanne</u> , No 5/6, (7-8), 1962, pp 240-242.	JPRS 14684
French Communist Party Declaration and Thorez Speech at the Moscow Conference of November 1960, 37 pp. FRENCH, pamphlet, Interventions de Maurice Thorez Declaration de la Delegation du Parti Communiste Français, Nov 1961, 48 pp.	JPRS 14610
The Communist Philosophers' Tasks and a Criticism of Stalin's Philosophical Errors, 38 pp. FRENCH, per, Cahiers du Communisme, No 7-8, Jul/Aug 1962, pp 72-106.	JPRS 14611
State Perrogative or Party Unity in France?, 3 pp. FRENCH, per, Unir Four le Socialisme, No 116, Jul 1962, p 1.	JPRS 14797
Adapt the Tool to the Material (France), 12 pp. FRENCH, per, Unir Pour le Socialisme, No 116, Jul 1962, pp 4, 5.	JPRS 14797
Crisis in the French Communist Party, by Claude Arrieux, 4 pp. FRENCH, per, La Voie Communiste, No 29, Jun/Jul 1962, pp 6, 7.	JPRS 14797
Cartel Legislation, 15 pp. GERMAN, Encl 1 to Desp A-83, Amembassy, Vienna, 18 Jul 1962; CERP, Section D-13; Embdesp. 138, 8 Aug 1958; Embdesp, 710. 22 Dec 1959.	Dept of State

Western Europe Political (Contd)

Automation and Communism, by Fred Margulies, 17 pp.
GERMAN, per, Weg und Ziel, No 3, 1962, pp 173-188.

JPRS 14550

Italian Communist Party Review Upholds Continuing Validity of Communist Ideology, by Claudio Petruccioli, 6 pp. ITALIAN, per, Nuova Generazione, No 28, 22 Jul 1962, p 13.

JPRS 14810

Points for a Discussion Among Marxist Philosophers in Italy, by Cesare Luporini, 7 pp. ITALIAN, per, Rinascita, No 8, 23 Jun 1962, p 27.

JPRS 14500

The Development of the Italian Communist Party's Leadership Group (1923-1924), by Giorgio Galli, 27 pp. ITALIAN, per, Tempi Moderni, Jan/Mar 1962, pp 94-106.

JPRS 14687

The Italian Communist Party and Some Problems Raised by the 22nd Congress of the CPSU, 21 pp.
ITALIAN, per, Tempi Moderni, Jan/Mar 1962, pp 113-120.

JPRS 14687

Norwegian Socialist People's Party and Labor Unity, by Arthur Nielsen, 3 pp. NORWEGIAN, np, Friheten, Vol XX, No 145, 28 Jun 1962, pp 2, 7.

JPRS 14684

Norwegian Socialist People's Party Comments on Communism and Anti-Communism, by Finn Gustavsen, 5 pp.

NORWEGIAN, per, Orientering, Vol X,
No 24, 7 Jul 1962, pp 1, 2.

Western Europe Political (Contd)

Split in the Socialist People's Party Discussed, by Finn Gustavsen, Ola Bonnevie, Vigleik Leira, 13 pp.
NORWEGIAN, np. Orientering, Vol X,
No 25, 21 Jul 1962, pp 1-8.

JPRS 14843

West Berlin -- Center of Subversion Against Peace. RUSSIAN, np, Pravda, No 215 (16071), 3 Aug 1962, p 6.

*FTD-TT-62-1168

Translation of Revolt, a Swedish Marxist Review, 44 pp.
SWEDISH, per, Revolt, Vol VI, No 1, 1962, pp 1-19.

Western Europe Military

Digital report of the

Civil Defense System for the City of Helsinki, 13 pp. FINNISH, per, Helsingin Kaupungin Vaestonsuojelujarjestys, 1961, 9 pp, Call No UA929. F4 H48, Eng Trans.

Army Map Service

Division Light Aviation Group.
FRENCH, rpt, La Groupe d'Aviation Legere de la Division, 1959.

*ACSI H-8379 ID 2161165

Tropical Uniforms and Special Models for Overseas Troops.

FRENCH, rpt, Tenues Tropicales et Modeles Speciaux aux Troupes d'Outre-Mer, 1958, Encl No 6 to A/A France, R-200-60.

*ACSI I-1716 ID 2136752

Materiel Service Training Center No 3 at Alma, 4 pp. FRENCH, per, 1'Armee, No 17, 1962, pp 13-18.

ACSI I-1491 ID 2198554

Striking Force and Strategic Air Command, F.A.F., by Paul Stehlin, 4 pp. FRENCH, per, 1'Association Generale de Prevoyance Militaire, May 1962.

AF 1495200

Establishment of Permanent Corps of Volunteers in Overseas Provinces, 7 pp. (Decree-Laws)
PORTUGUESE, per, Diario do Governo, No 47, 2 Mar 1962, OUSARMA, Lisbon, Encl to R-101-62.

ID 2201738

West Berlin -- Military Base for NATO. RUSSIAN, np, Krasnaya Zvezda, No 181 (11786), 3 Aug 1962, p 3.

*FTD-TT-62-1167

What Do We Need to Know About the 1960's, by Sula A. Typpo, 7 pp.
SWEDISH, per, Finsk Kommunaltodskrift,
Vol XLV, No 8, 1960, pp 324, 325, 352,
Call No NA9241 F5 F51, Eng Trans.

Army Map Service

The Sillbolc Reservoir, 12 pp.
SWEDISH, per, Tekniskt Forum, No 19,
1961, pp 519-522, C411 No T4 T26, Eng
Trans.

Army Map Service

Western Europe Geographic

Note No 1 on Place Names, 9 pp. FRENCH, pam, Atlas du Maroc, 4 pp, Call No G2463 F8 C73, Eng Trans.

Army Map Service

Sociological

Armed Forces Personnel Bill, 25 pp. DANISH, rpt, 16 May 1962, USARMA/ALUSNA/USAIRA, Encl to R-154-62

ID 2206979

Food Law - Food Book - Nutrition Counselling, 8 pp.
GERMAN, per, Die Ernahrungswirtschaft,
No 3, 1962, pp 99-103.

ACSI I-1430-A ID 2198556

Frontal Medical Care in the Coast Artillery, 5 pp.

SWEDISH, per, Marin Nytt, No 2, 1962,
p 12; Encl 4 to 111-62 to USNA, Stockholm,
1962.

Dept of Navy ONI 5149030

Biographic

The Dismissal: The Last Days of Ferdinand Sauerbruch, by Jurgen Thorwald, 256 pp.
GERMAN, bk.

Pantheon Books

AFRICA

Economic

Roads Pay to State Double Their Cost, 5 np. FRENCH, np. La Vie Economique, 25 May 1962, pp 1, 3.

JPRS 14768

Data on the New Mechra Klila Dam in Morocco, 5 pp. FRENCH, per, La Vie Economique, No 2, 101, 22 Jun 1962, pp 1, 5.

JPRS 14872

Political

Algerian Communist Party Present Program, 3 pp. * FRENCH, per, Unir Pour le Socialism, Jul 1962.

JPRS 14647

Republican Monarchs Maintain Traditions in Lower Casanance, 3 pp. FRENCH, per, L'Unite Africaine, No 14, Jun 1962, p 21.

JPRS 14872

Is the Algerian Communist Party Revolutionary, by R. Dupraz, 4 pp. FRENCH, nn, Le Voie Communiste, No 29, Jun/Jul 1962.

JPRS 14647

Geographic

Angola, by Marguardsen-Stahl, 69 pp. GERMAN, bk, Angola, 1928, pp 22-30, 36-47, 52-66, 84-101, Call No GB 333 M 35, Eng Trans.

Army Map Service

Africa Sociological

The Situation in the Tuareg Country, by J. Clauzel, 15 pp. FRENCH, per, L'Afreque et l'Asie, Vol LVIII, No 2, 1962.

JPRS 14872

A Monograph on the Village of Camberene in Senegal, by Abdourahmane Sow, 8 pp. FRENCH, per, Notes Africaines, No 94, Apr 1962, pp 51-60.

JPRS 14872

Public Health and Medical Services, by Marc Nerfin, 8 pp. FRENCH, np, Le Petit Matin, 12-13 Apr 1962, p 2.

JPRS 14598

Brief Notes on a Group of Indians in Mozambique, by Domingos Jose Soares Rebelo, 5 pp.
PORTUGUESE, per, Boletim da Sociedade de Estudos de Mocambique, Vol XXX,
No 128, Jul/Sep 1961, pp 83-88.

MIDDLE EAST

Economic

UAR President Decrees Budget Increase for Scientific Research for Fiscal 1962/1963, 4 pp.
ARABIC, per, Al Jaridah Ar-Rasmiyyan, Vol V, No 111, 12 May 1962, pp 934-935.

JPRS 14543

5.5 Million Dinars Allocated for the Complementary Projects of the Ministry of Communications for the Year 1962/1963, 3 pp.

ARABIC, np, El-Zaman, No 7462, 27 Jun 1962, p 5.

JPRS 14824

Growing Number of Students and Teachers in Baghdad, Educational Statistics of the Last Few Years, 7 pp.
ARABIC, np, Sawt El-Ahrar, No 1113, 22 Jun 1962, pp 4, 8.

JPRS 14824

Drug Industry Needs Therapy, by H. Weisadler, 5 pp. HEBREW, np, Al Hamishmar, Vol XIX, No 4780, 11 Jul 1962, p 4.

Middle East Political

Complete Text of the Prime Minister's Press Conference of Monday, 21 May 1962, 5 pp.

ARABIC, np, al-Jihad, 22 May 1962; Encl 1 to Desp 401, Amembassy, Amman, 22 Jun 1962; A-160, 24 May.

Dept of State

Israeli Leftist Discusses the USSR and Prospects for World Socialism, by Meir Yaari, 13 pp.
HEBREW, np, Al Hamishmar, 4 Jun 1962.

JPRS 14810

Selected Articles From the Hebrew Newspaper Kol Haam.

Vol XVI (26), No 4653, 3 Jun 1962. Israeli Mapam Spokesman Yaari Defends Cohen, 4 pp, (p 1).

JPRS 14500

1.

The Socialist International is the Guardian of Capitalism, by Moshe S'ney, 13 pp, (p 3).

Vol XVI (26), 7 Jun 1962, p 3. Israeli Communist Party Organ Peers at the Labor Front in the Capitalist World, by Esther Vilenska, 9 pp. JPRS 14500

17 Jun 1962, p 2. Resolutions of the 6th National Council Meeting of the Israeli Peace Movement, 4 pp. JPRS 14843

22 Jun 1962. Israeli Communist Leader Appeals for Disarmament, by Tawfix Toubi, 9 pp, (p 2). JPRS 14843

Arab Literary Magazine Praised, 5 pp, (p 4).

Middle East Political (Contd)

A Soviet Journalist on Egyptian Socialism, by Viktor Mayevskiy, 9 pp. RUSSIAN, np, Pravda, 19 Jul 1962, p 3.

JPRS 14800

Transmittal of Prcgram of Second Inonu Cabinet, 19 pp.
TURKISH, Encl 1 to Desp A-33, Amembassy, Ankara, 10 Jul 1962.

Dept of State

Sociological

1

More Than 450,000 People Still Live in Shantytowns Around Cities, 5 pp. FRENCH, np, La Vie Economique, 20 Apr 1962, pp 1, 3.

JPRS 14747

Activities of Professional Employees, 4 pp. HEBREW, np, Davar, No 11265, 25 Jun 1962, p 6.

JPRS 14747

Law of Military Justice and Penalties, by Ahmad Kamanger, (DC-6983). PERSIAN, bk, Majmu'ah Qavanin Jeza'i, 1961, pp 370-463.

*JPRS

Important Change in the Public Prosecutor Organization, by Baha Arikan, 8 pp. TURKISH, np, Cumhuriyet, 29 May 1962, p 2.

JPRS 14527

Reorganization of the Office of the Chief Prosecutor of the Republic, by A. Pulat, 7 pp.
TURKISH, np, Vatan, 6 Jun 1962, p 2.

FAR EAST

Economic

Geographic Survey Data on Agriculture and Livestock Industry in Parts of Szechwan and Yunnan Provinces, by Chao Sung-Ch'iao, Kuo Yang, Cheng Hung, Wu Kuan-chi, 158 pp. CHINESE, document, Ch'uan-Tien Nung-Mu Chiao-Ts'o Ti-Ch'u Nung-Mu-Yeh Ti-Li Tiao-Ch'a Tzu-Liao, 1959, pp 1-72.

JPRS 14627

A New Course in Bank Accounting in Communist China, by Li T'ien-min, 538 pp. CHINESE, bk, Hsin Yin-hang K'uai-chi Chiao-ch'eng, Vol I, 1952, pp 1-310.

JPRS 14674

Selected Articles From Chinese Newspapers Translations on Communist China's Trade Finance, Transportation and Communications, June-July 1962.

No 3	JPRS 14625
No 4	JPRS 14714
No 5	JPRS 14752
No 6	JPRS 14753
No 7	JPRS 14774
No 8	JPRS 14809

Selected Articles From Chinese Newspapers Translations on Communist China's Industry, Mining, Fuels and Power, June 1962.

No 1	JPRS 14652
No 2	JPRS 14712
No 3	JPRS 14773

Translations on Communist China's Agriculture, Animal Husbandry and Materials, No 3.
CHINESE, nps, June 1962.

Selected Articles From the Chinese Periodical Hung-chi.

No 10, 16 May 1962, pp 17-21. Combine Exacting Demand With Painstaking Persuasion, by T'ang P'ing-chu, 9 pp. JPRS 14549

No 12, 16 Jun 1962. The Utilization and Protection of Natural Resources, by Kan Tzu-yu, 12 pp, (pp 14, 17). JPRS 14595

The Rural People's Commune Cadres Must Reinforce the Economic Computation Concept, by Ch'en Ying, 10 pp, (pp 28-31).

No 13, 1 Jul 1962. Accelerating the Development of the Mining Industry, by Po I-po, 24 pp, (pp 1-10). JPRS 14703

On Benefit and Harm, by Kuan Feng, 6 pp, (pp 32-35).

No 14, 16 Jul 1962, pp 1-7. On the Compilation of Agricultural Production Experiences, by Ma Chien-yu, 20 pp. JPRS 14827

Lake Utilization, by Ma Hsiang-yung, 4 pp.
CHINESE, per, K'o-hsueh Ta-chung,
Jan 1962, p 27.

JPRS 14502

The Steppes of Our Motherland, by Chu T'ing-ch'eng, 10 pp. CHINESE, per, K'o-hsueh Ta-chung, Feb 1962, p 49.

Translations From Ta Kung Pao, No 49. CHINESE, np, Ta Kung Pao, 21-27 May 1962.	JPRS	14581
Central Company of Water Supplies of Laos, 4 pp. FRENCH, np, Lao Presse, No 3197, 22 May 1962, pp D-1, D-2.	JPRS	14704
Laos National Motion Pictures Service, 7 pp. FRENCH, np, Lao Presse, 4 Jul 1962, pp D1-D4.	JPRS	14811
Selected Articles From the French Newspaper Realites Cambodgiennes. No 302, 6 Apr 1962.	JPRS	14626
Our Regime and Policy Are Sound, 3 pp, (p 11). Multiple Activities and Prospects of the Cambodian Oxygen and Acetylene Company, 8 pp, (pp 14-16).		
No 307, 18 May 1962, p 7; No 308, 25 May 1962, p 11. The Royal Bureau of Cooperation, 13 pp.	JPRS	14626
No 309, 1 Jun 1962, p 12. The Production of Palm Sugar, 4 pp.	JPRS	14626
29 Jun 1962, pp A-D. Cambodian Metallic Package Factory Joint Stock Company With a Capital of Four Million Riels, 32 pp.	JPRS	14878
Organization Activities, 4 pp. INDONESIAN, leaflet, Kegiatan Organisasi, 5 May 1962.	JPRS	14574

Overcome the Food and Clothing Crisis Achieve Gotong-Orjong Political Climate, by Moh Munir, 24 pp. INDONESIAN, pam, Krisis Sandang-Pangan Tjiptakan Iklim Politik Kegetong-Rejengan Nasional, 29 Nov 1961, pp 5-21.

JPRS 14574

Democratization of National Development, by F. Runturambi, 62 pp. INDONESIAN, bk, Pendemokrasian Pembangunan Nasional, 20 Aug 1961, pp 3-66.

JPRS 14574

For the Improvement of Labor-Agrarian Organizations, by Tjugito, 21 pp.
INDONESIAN, pam, Untuk Memperbaiki
Pengorganisasian Buruh-Agararia, Mar 1961, pp 1-25.

JPRS 14574

Marketing Agricultural Products and Its Problems, by Ibnoe Soedjono, 22 pp. INDONESIAN, per, Transkopemada, Vol III, No 1/2, 1962, pp 16-23, 33.

JPRS 14651

Coal Industry -- Shansi Province, 30 pp. JAPANESE, pam, 1961. Rpt No 1416/62. 9665661

500th INTC Gp Doc No 105924

Some Statistics on Japanese Research, 1960, 17 pp.
JAPANESE, rpt, Apr 1962, OARMA, Japan, Encl to R-206-62.

ID 2204582

Basic Problems of Asian Primary Products, 424 pp. JAPANESE, bk, Ajia Dai Ichi Ji Shohin No Kihon Mondai, Tokyo, Mar 1961, 306 pp.

North Vietnam Industries, 19 pp.

JAPANESE, bk, Betonamu Minshu Kyowakoku no Kogyo, 1957-1960. Rpt No 1700/62.

500th INTC Gp Doc No 105951

Analysis of Prices in Communist China, by Tao Keizai Kenkyukai, 263 pp.

JAPANESE, bk, Shin Chugoku Keizai No
Bunseki: Bukka Hen, Tokyo, 1961,
pp I-IV, 1-248.

JPRS 14771

Features of Burma's Planned Economy, 14 pp.

JAPANESE, per, Ajia Kenkyu, No 310, 13 Mar 1962, pp 3-12.

JPRS 14704

Outlook for Japan-Communist China Trade in 1962, 13 pp.

JAPANESE, per, Ajia Kenkyu, 10 Apr 1962, pp 2-10.

JPRS 14704

The Characteristics and Problems of the Economic Adjustment Period, by Ryuzo Yamashita, 35 pp. JAPANESE, per, Chugoku Kenkyu Geppo, No 168, 10 Apr 1962, pp 1-28.

JPRS 14887

Selected Articles From the Japanese Newspaper Nikkan Kogyo Shimbun.

10-12 May 1962, Rpt No 1469/62 9665431 Survey of Principal Ports of Japan -- Part IV, 4 pp. 500th INTC Gp Doc No 106473(IA)

Part VI, 4 pp.

 $(\alpha,\beta,\alpha,\dots,\alpha,\alpha_{1})$

ż

ŧ

Selected Articles From the Japanese Newspaper Nikkan Kogyo Shimbun. (Contd)

16-18 May 1962, Rpt No 1476/62. 9665422 Survey of Principal Ports of Japan -- 500th INTC Gp Doc No 106478(IA)

19-22 May 1962, Rpt No 1540/60. 9665459 Survey of Principal Ports of Japan --Part VII, 5 pp. 500th INTC Gp Doc No 106496(IA)

23-26 May 1962, Rpt No 1559/62. 9665535 Survey of Principal Ports of Japan --Part VIII, 4 pp. 500th INTC Gp Doc No 106512(IA)

27-31 May 1962. 9665603 Survey of Principal Ports of Japan --Part IX, 4 pp.

500th INTC Gp Doc No 106524(IA)

ROKG Budget for FY 1962, I65 pp. KOREAN, rpt, Encl to Desp A-15, AmEmbassy, Seoul, 10 Jul 1962.

Dept of State

Maximum Use of Facilities a Key Preparation in Increasing Production, by Chang In-ki, 3 pp.

KOREAN, per, Kulloja, No 8, Jun 1962, pp 22-26.

JPRS 14760

The Most Important Administrative Work Is Supply, by Kim Yang-yul, 4 pp. KOREAN, per, Kulloja, No 8, Jun 1962, pp 27-32.

JPRS 14760

How Well Is the Construction Auto Transport Functioning?, by M. Shagdarsuren, 7 pp.
MONGOLIAN, np, Hodolmor, 21 Apr 1962, p 4.

Selected Articles From the Mongolian Newspaper Unen.

10 May 1962, pp 2, 3. State Procurement of Livestock is Vital for the Increase of Herds and for the Improvement of the People's Standards, by B. Rinchinpilgee, 10 pp.	JPRS 14613
12 May 1962, p 2. To Use Local Resources and Possibilities in Capital Construction, by S. Budsuren, 6 pp.	JPRS 14613
13 May 1962, p 1. A Need for Radical Improvement in Financial Controls, 5 pp.	JPRS 14613
16 May 1962, pp 2, 3. Our New and Urgent Tasks in the Field of Literature, 25 pp.	JPRS 14613
17 May 1962, p l. Working Capital of Construction Enterprises, 5 pp.	JPRS 14658
20 May 1962. Carrying Out the Decisions of the Plenum of the Aymak and City Party Committees, 6 pp, (p 1).	JPRS -14613
Statistics Must Be Correct and Accurate, by D. Batsuk, 5 pp.	JPRS 14658
24 May 1962, pp 2, 3. Some of the Important Problems in Our Country's Agriculture, by L. Rinchin, 13 pp.	JPRS 14761

Ì

Selected Articles From the Mongolian Newspaper Unen. (Contd)

27 May 1962, p 1. Let Us Successfully Carry Out Early Plowing of Fallow Lands, 4 pp. JPRS 14702

31 May 1962, p 2. Ways of Bringing Down the Construction Costs, by N. Jugder, 5 pp.

JPRS 14761

19 Jun 1962, p 1. Regarding Measures to Improve the Work of the State University, 14 pp. JPRS 14702

The Coal Industry of the People's Republic of China, by I. I. Bazhenov, I. A. Leonenko, A. K. Kharchenko, 150 pp.
RUSSIAN, bk, Ugol'naya Promshlennost' Kitayskoy Respubliki, 1959.

JPRS 14738

Vinalon Fiber Production, by O. Khyee Gyn, 9 pp.
RUSSIAN, per, Novaya Koreya, No 20(164), 1961, pp 27-34.

ACSI I-1460 ID 2198540

Selected Articles From the Vietnamese Periodical Hoc Tap.

No 5, 1962. Some Ideas About the Task of Building and Developing Our Industry, by Nguyen Duy Trinh, 8 pp, (pp 3-6). JPRS 14659

Industry Must Effectively Serve Agriculture, by Nguyen Van Tran, 16 pp, (pp 7-14).

Problems Arising From Socialist Industrialization, by Tran Quynh, 31 pp, (pp 15-25).

Selected Articles From the Vietnamese Periodical Hoc Tap. (Contd)

No 5, 1962. Basic Industrial Construction in the First Five-Year Plan, by Nguyen Con, 19 pp, (pp 26-34).

Establishing and Developing Electrical Power in the North, by Phan My, 12 pp, (pp 35-42).

Building a Metallurgical Industry in North Vietnam, by Nguyen Tuyen, 9 pp, (pp 43-50).

Let Us Consider the Development of Light Industry Important, by Ngo Minh Loan, 19 pp, (pp 51-58).

Foreign Trade to Serve Socialist Industrialization, by Ly Ban, 10 pp, (pp 65-70).

No 6, 1962.

Thorough Understanding of the Party's Socialist Industrialization Policy, by Le Thanh Nghi, 35 pp, (pp 1-13).

Strengthening the Struggle Against the Counter Revolutionaries in Order to Improve Socialist Construction in the North and to Unify the Country by Peaceful Means, by Le Hong, 20 pp, (pp 17-23).

The New Man in the North of Our Country, by Duong Huong, 13 pp, (pp 36-42).

About the Policy of Purchasing Farm Products, by Hoang Quoc Thinh, 9 pp, (pp 43-46).

Education and Production, by Nguyen Si Ty, 28 pp, (pp 47-55).

JPRS 14659

Far	East	
Ecor	nomic	(Contd)

Conclusions on the Planting of Autumn
Cotton, by Vu Cong Hsu, 10 pp.
VIETNAMESE, per, Khoa Hoc Ky Thuat
Nong Nghiep, No 4, 1962, pp 1-4.

JPRS 14786

The Economic Life of North Vietnam After the First Six Months of 1961, by Vu Quoc Tuan, 8 pp. VIETNAMESE, per, Kinh Te Nguyet San, No 4, Aug 1961, pp 52-56.

JPRS 14786

Technical Needs of the Transport and Communication Machinery Branch in 1962, 11 pp.
VIETNAMESE, np, Ky Thuat Giao Thong, Apr 1962, pp 1-3.

JPRS 14606

US-Diem Five-Year Plan, by Le Phuong, 4 pp.
VIETNAMESE, np, Lao Dong, 15 May 1962, p 4.

JPRS 14694

Selected Articles From the Vietnamese Periodical Nghien Cuu Kinh Te.

No 4, Aug 1961, pp 21-27, 30. The Problem of Raw Material for Light Industries, by Tran Ngoc Hien, 9 pp. JPRS 14786

No 6, Dec 1961, pp 76, 77. Total Value of 1960 Industrial Production in North Vietnam, 3 pp.

JPRS 14867

No 7, Feb 1962. The Rate of Industrialization in North Vietnam, by Tran Phuong, 13 pp, (pp 3-14).

JPRS 14786

Priority for the Development of Heavy Industry, by Do Van Suu, 9 pp, (pp 15-23).

Selected Articles From the Vietnamese Periodical Nghien Cuu Kinh Te. (Contd)

No 7, Feb 1962. The Development of North Vietnam's Light Industries, by Le Hong Tam, 6 pp, (pp 24-30).	JPRS 14786
Apr 1962. Improving and Strengthening the Management of Cooperatives, by Bui Cong Trung, 4 pp, (pp 3-6).	JPRS 14696
Some Problems in the Production Direction of Agricultural Cooperatives, by Nguyen Dien, 4 pp, (pp 7-11).	JPRS 14696
Organization of Labor in Agricultural Cooperatives, by Luu Quang Hoa, 7 pp, (pp 12-19).	JPRS 14696
An Analysis of the Computation of Labor Productivity in Agriculture, by Che Viet Tan, 10 pp, (pp 20-25).	JPRS 14696
Problems Concerning the Mechaniza- tion of Agriculture in North Vietnam, by Nguyen Thien Vy, 6 pp, (pp 26-33).	JPRS 14696
The Law of Value and the Price Situation in Vietnam, by Nguyen Thuong Hoa, 19 pp, (pp 63-71).	JPRS 14786

Selected Articles From the Vietnamese Newspaper Nhan Dan.

* *	
26 May 1962, pp 1, 3. Flood Prevention in Thai Nguyen, by Chinh-nam, 3 pp.	JPRS 14639
1 Jun 1962, p 2. Thanh Hoa Fails in the Breeding of Fresh Water Fish, by Le Ba Cap, 4 pp.	JPRS 14666
2 Jun 1962. Harvest Experiences, 5 pp, (p 2).	JPRS 14603
The Size of Agriculture Cooperatives, by B. N. T., 5 pp, (p 2).	
3 Jun 1962. Improving the Fifth Lunar Month Harvest, by Nghiem Xuan Yem, 4 pp, (p 2).	JPRS 14867
Land Reclamation Problems, by Van Xuyen, 6 pp, (p 3).	JPRS 14867
Nam Dinh Salt Fields, by Hoai Phuong, 7 pp, (p 3).	JPRS 14786
Completion of the Plan for the First Semester of 1962, 4 pp,	
(p 3).	JPRS 14606
4 Jun 1962, p 1. Progress in Repair Work, 4 pp.	JPRS 14606
5 Jun 1962. Rice Fields With Selected Seeds, by Bui Ngoc An, 4 pp, (p 2).	JPRS 14786
Development of Handicraft in Mountain Areas, by Nguyen Van Thi, 6 pp, (p 3).	JPRS 14606

Selected Articles From the Vietnamese Newspaper Nhan Dan. (Contd)

5 Jun 1962. Industrial Achievements, by Le Dinh Khuyen, Tran Xuyen, 3 pp, (p 3).	JPRS	14606
6 Jun 1962. Workers and Cadres Produce Foodstuffs, by Hoang Chinh, 3 pp, (p 2).	JPRS	14603
Construction of the Viet-Tri Ready-Made Concrete Forms Plant, by Nguyen Chinh, 5 pp, (p 3).	JPRS	14606
10 Jun 1962, p 2. The Production of Fertilizers, by Fhan Quang, 5 pp.	JPRS	14639
14 Jun 1962, p 2. Reduction and Productivity Brings Difficulties, by Nguyen Thanh Bach, 4 pp.	JPRS	14806
18 Jun 1962, p 1. Improve the Management of Cooperatives, 7 pp.	JPRS	14806
No 3008, 19 Jun 1962, pp 1-3. Resolution of the Seventh Conference of the Vietnam Workers Party Central Executive Committee Mission and Direction of Industrial Development, 36 pp.	JPRS	14628
20 Jun 1962. The Road Toward Prosperity and Happiness, by Ho Chi Minh, 4 pp, (p 1).	JPRS	14786

Socialist Industrialization, by Le Duan, 28 pp, (pp 2, 3).

The state of the s

Selected Articles From the Vietnamese Newspaper Nhan Dan. (Contd)

22 Jun 1962. Management of Foodstuffs Market, by Tran Van Hien, 4 pp, (p 2). JPRS 14864

Industry to Help Agriculture, by Nguyen Van Tran, 4 pp, (p 3).

24 Jun 1962. Improvement of Cooperative Management, by B. N. T., 4 pp, (p 2). JPRS 14864

Industry Must Give Further Help to Agriculture, by Nguyen Van Tran, 4 pp, (p 2).

25 Jun 1962, p 3. Close Collaboration Between Agriculture and Industry, by Nguyen Van Tran, 4 pp. JPRS 14864

Contractual Production Expenditures, by Tran Ngoc Canh, 4 pp. VIETNAMESE, np, Nong Nghiep, 7 Jun 1962, p 1.

JPRS 14864

Working for a Better Tenth Lunar Month Crop, 3 pp.
VIETNAMESE, np, Nong Nghiep, 7 Jun 1962, pp 1, 3.

JPRS 14864

Economic Achievements to Greet President Ho's Birthday, 3 pp. VIETNAMESE, np, Thu Do Ha Noi, 18 May 1962, pp 1, 4.

Far East Economic (Contd)

Selected Articles From the Vietnamese Newspaper Tien Phong.

16 May 1962, p 2. Waste of Technicians and Specialists in Agriculture, 9 pp. JPRS 14666

20 May 1962, p 2. Waste of Agricultural Technicians in Kien-An Province, by Pham Van Tiep, 4 pp. JPRS 14666

23 May 1962. Yellow Star Rubber Factory Completes Half-Year Production Goal, by Nguyen Dinh Thiem, 3 pp, (pp 1, 2).

JPRS 14864

Youth Organization's Role in Using Agricultural Technicians, by Vu Hoan, 3 pp, (p 2).

JPRS 14666

25 May 1962, pp 1, 4. Ngoc Dong Cooperative Overcome Manpower Difficulties, by P. V., 4 pp.

Far East Political

不可能能够的一位并加强的支撑的40%。——这种特殊(10° 100%) wine

The Truth Behind Merger, by Felice Leon-son, 46 pp. CHINESE, bk, May 1962, Encl to R-180-62.

ID 2203958

Compendium of Laws and Regulations of the Chinese People's Republic, 796 pp. CHINESE, document, Chung-hua Jen-min Kung-ho-kuo Fa-kuei Hui-pien, Vol III, Dec 1956, pp 1-614.

JPRS 14673

Translations of Political and Sociological Information on Communist China, No 5. CHINESE, nps., July 1962.

JPRS 14779

Selected Articles From the Chinese Periodical Hung-ch'i.

No 10, 16 May 1962. The Revolutionary Tradition of Political Parties of the Proletariat, by Pein Chung-yin, 14 pp, (pp 7-16). JPRS 14549

The Function of the Mathematical Method in the Cognition of the Objective World, by Ho Tso-ch'uang, 27 pp, (pp 20-30).

Macmillian's Frustration and the "Connecting Belt of Cooperation" Between "Free Nations", by Chang Chen-ya, 6 pp, (pp 31-35).

So This is "Equal Opportunity of Employment", by Hu Sau-sheng, 3 pp, (pp 35-37).

No 12, 16 Jun 1962. Several Problems Concerning the Party's Cadres Policy -- Comprehensions on Studying Comrade Mao Tse-Tung's Works, by Chao Han, 33 pp, (pp 1-13). JPRS 14595

On "Lashing", by Wu Chien-min, 4 pp, (pp 32-33).

The Ugly "Appearance", by Hu Szu-sheng, 5 pp, (pp 38-39).

Selected Articles From the Chinese Periodical Hung-ch'i. (Contd)

No 13, 1 Jul 1962. New Challenge" and New "Choice", by Hsiang Yang, 9 pp, (pp 28-31). JPRS 14703

The Reactionary Substance of "Popular Capitalism", by Huang Fan-shang, 21 pp, (pp 11-19).

The Falsity of the Capitalist Parliamentary Democracy, by Chang Yu-yu, 22 pp, (pp 20-27).

No 14, 16 Jul 1962. On the Duties and Rights of the Communist Party Member, by Su P'ei, Liu Chia-tso, 30 pp, (pp 14-24). JPRS 14827

The Logical Positivist Philosophy of the Modern Capitalist Class, by Jen Hua, 27 pp, (pp 25-34).

Concerning Sophism, by Shao T'ieh-chen, 11 pp, (pp 34-37).

All In Vain, by Hsi Lin-sheng, 10 pp, (pp 38-41).

Achievements of the Minority Nationality Residents in Tientsin City, by Kan 1, 12 pp. CHINESE, per, Min-tzu Tuan-chieh, No 3, 1962, pp 4-7.

JPRS 14735

New Literature of Minority Nationalities Follows Comrade Mao Tse-Tung's Teaching, by Su Hsiao-hsing, 9 pp. CHINESE, per, Min-tzu Tuan-chieh, No 4, 1962, pp 17, 18.

JPRS 14735

How Did I Become a Communist Party Member, by Yeh Sheng, 6 pp. CHINESE, per, Min-tzu Tuan-chieh, No 8, 1962, p 11.

The state of the s

The Municipal Police of Phnom-Penh: Its Organization and the Role of Its Various Services, by C. S., 8 pp. FRENCH, np, Realites Cambodgiennes, No 315, 13 July 1962, p 12.

JPRS 14754

Postponment of General Elections to Strengthen Democracy, Unity, and Mobilization, by D. N. Aidit, 4 pp.
INDONESIAN, np, <u>Harian Rakjat</u>, 24 May 1962, p 3.

JPRS 14594

Make Greater Djakarta a City of Democracy Unity and Mobilization, by Anwar Sanusi, 6 pp. INDONESIAN, np, <u>Harian Rakjat</u>, 25 May 1962, p 2.

JPRS 14594

Aidit Comments on the Cabinet, the Economy, the "Moscow" Congress, and West Irian, 3 pp. INDONESIAN, np, Harian Rakjat, 9 Jul 1962, p 1.

JPRS 14764

Soka Gakkai: Political Platform, 23 pp. JAPANESE, Encl 1 to 508-62 to USNA, Tokyo, 3 May 1962.

Dept of Navy ONI 5148217

Diplomacy and National Defense in the Atomic Age by the Security Treaty Sect, 33 pp. JAPANESE, Encl 1 to 525-62 to USNA, Tokyo, Apr 1962.

Dept of Navy ONI 5148570

Selected Articles From the Japanese Newspaper Akahata.

12 Apr 1962, p 3. Schismatic Tendency and False Propaganda of the Anti-Party Group, by Jiro Yoshihara, 4 pp.

JPRS 14594

2 May 1962, p 3. Chairman Nosaka Explains How to Stop Nuclear Testing, by Sasaki, 19 pp. JPRS 14764

No 4017, 15 Jun 1962, 3. Does the Struggle Against US Imperialism Contradict Our Neutrality Policy, by Takechiyo Uchino, 7 pp. JPRS 14594

18 Jun 1962, p 3. On the New Moves Instigated by the International Confederation of Free Trade Unions, 12 pp. JPRS 14764

19 Jun 1962, p 3. Freedom of Religion and Freedom of Political Activity, 25 pp.

JPRS 14680

On the Problem of the Japan Communist Party and the Women's League, 9 pp. JAPANESE, np, Atarashii Rosen, 26 Mar, 16 Apr 1962.

JPRS 14744

Red China's Maneuvers Against Tibet Pose Menace to India, by Hamano Masami, 9 pp. JAPANESE, per, Tairiku Mondai, Apr 1962, Rpt No 1515/62. 9665432

500th INTC Gp Doc No 106078

Situation in Okinawa, 3 pp.

JAPANESE, np. Tokushima Shimbun, 27-28 Jun
1962. Rpt No 1930/62 9665893

500th INTC Gp Doc No 1067777 (1A)

多響語がドラスペートの **編版**の Selection Selection

ŕ

The Problem of Revolution and National Subordination in Highly-Developed Capitalistic Countries, by Seiichi Ishida, 18 pp. JAPANESE, per, Zenei, Jul 1962, pp 145-151.

JPRS 14744

Speech by Comrade D. Tomor-Ochir, Secretary of the MPRP Central Committee, Delivered at the III Congress of Mongolian Writers, 16 pp.
MONGOLIAN, np, Unen, 28 May 1962, pp 1, 2.

JPRS 146=9

Local Government in North Korea, 84 pp.
RUSSIAN, bk, Osnovnyye Normativnyye Akty
o Mestnykh Organakh Gosudarstvennoy Vlasti
i Upravleniya Demokraticheskoy Respubliki
v'yetnam, Koreyskoy Narodno-Demokraticheskoy
Respubliki i Mongol'skoy Narodnoy Respubliki
(Sbornik Dokumentoy), 1960, pp 65-150.

JPRS 14875

Work of the Central Asian Ethnographic Expedition of 1958-1961, by B. Kh. Karmysheva, 8 pp. RUSSIAN, per, Sovet Ethnografiya, No 2, 1962.

JPRS 14788

Commercial Banking Act, 23 pp.
THAI, Encl 1 to Desp 552, AmEmbassy, Bangkok, 28 Jun 1962; CERP: D-12; Despatch 283, 26 Jan 1962.

Dept of State

Construction of a Socialist Legislation an Education for the Respect of the LWA, by Hoang Quoc Viet, 10 pp.
VIETNAMESE, per, Hoc Tap, Jun 1962, pp 14-16, 23.

JPRS 14785

President Ho and His Morality of Justice and Impartiality, by Minh Tranh, 12 pp. VIETNAMESE, per, Hoc Tap, 1962, pp 30-35.

JPRS 14785

Struggles in South Vietnam, by Le Phuong, 4 pp. VIETNAMESE, np, Lao Dong, 1 May 1962, p 4.

The New Task, 6 pp.
VIETNAMESE, np, Lao Dong, 10 May 1962, pp 1, 2.

JPRS 14694

The Labor Movement in South Vietnam, by Tran Van Giau, 7 pp. VIETNAMESE, np, Lao Dong, 17 May 1962, pp 1-4.

JPRS 14694

Selected Articles From the Vietnamese Newspaper Nhan Dan.

20 Jun 1962, p 1. Eight Years of Heroic Struggle and Glorious Victory, 4 pp. JPRS 14812

21 Jun 1962.
The Fifth Vietnam People's Congress to Preserve Peace, 4 pp, (p 1).

JPRS 14880

Struggling Against American Aggression in South Vietnam, 5 pp, (p 4).

Resolution of the Fifth Vietnam People's Congress to Preserve Peace, 10 pp, (p 4).

23 Jun 1962, p 1. Protest Over US Invasion of South Vietnam, 6 pp.

Far East Military

Liberation Army Pictorial, 11 pp. CHINESE, per, Chieh Fang Chun Hua Pao, No 2, 1962, USARMLO, Encl to R-383-62. ID 2205312 Liberation Army Pictorial, 12 pp. CHINESE, per, Chieh Fang Chun Hua Pao, ID 2201755 No 3, 1962, Encl to R-262-62. Strategic Intelligence - Life's Work of ACSI I-1327 Colonel Shinich: Kosaka - Japanese Army, 55 pp. ID 2198514 JAPANESE. How to Have a Better Company, by Ichiji Sugita, 204 pp. ACSI I-1366 ID 2198517 JAPANESE, 279 pp. Type-60 Armored Personnel Carrier, 8 pp. JAPANESE, rpt, 7 Sep 1960, OARMA, Japan, Encl ID 2204272 to R-198-62.

Far East Sociological

pp 8-13.

Collection of Theses on Achievements in Medical Sciences in Commemoration of the 10th National Foundation Day of China, 699 pp. CHINESE, document, Ch'ing-chu Chien'kuo Shih Chou-nien I-hsueh K'o-hsueh Ch'eng-chiu Lunwen Chi-hsia Chuan, Vol II, Dec 1959. JPRS 14829 An Open Letter to Editor and Editors Reply, CHINESE, per, Chung-kuo Ch'ing-nien, No 8, 1962, pp 23, 24. JPRS 14735 A Few Pointers on Studying During Rural Field Trips, by Li Chu-chun, 3 pp. CHINESE, per, Chung-kuo Fu-nu, No 4, 1962, p 10. JPRS 14502 Should There Be a Dowry, 6 pp. CHINESE, per, Chung-kuo Fu-nu, No 4, 1962, pp 13, 14. JPRS 14502 The Intellectuals' Way Forward, 9 pp. CHINESE, per, Hung-ch'i, No 10, 16 May 1962, pp 1-6. JPRS 14549 The Uniqueness and Variation in the Artistic Style, by Feng Ch'i-yung, 4 pp. CHINESE, per, Hung Ch'i, No 13, 1 Jul 1962, pp 34-37. JPRS 14703 Impressions on the Study of Language, by Ts'ao Yu, 12 pp.

JPRS 14827

CHINESE, per, Hung Ch'i, No 14, 16 Jul 1962,

Far East Sociological (Contd)

Selected Articles From the Chinese Periodical Min-t2u T'uan-chieh.

Feb 1962, pp 38-42. Daghors, by Sui P'ien, ll pp.	JPRS 14502
No 3, 1962, pp 2-5. Continue to Successfully Carry Out the United Front Activities Among the Nationality Religion Hierachies, by Lu Chien-jen, 11 pp.	JPRS 14735
No 4, 1962, p 11. The Religious Worship of the Minority Nationalities in China, by Chun Hui, 3 pp.	JPRS 14735
A Tripartite League of 120 Million Yen, 10 pp. JAPANESE, np, Nihon Dokusho Shinbun, 28 May 1962, p 1.	JPRS 14751
Shaky Foundation of Japan's China-Researchers, 6 pp.	
JAPANESE, np, Nihon Dokusho Shinbun, 25 Jun 1962, p 5.	JPRS 14751
Opposing the Acceptance of the Funds of the Ford and the Asia Foundations for Studies on China Affairs, 11 pp.	
JAPANESE, np, Nihon Dokusho Shinbun, 9 Jul 1962, p 5.	JPRS 14 7 51
Development of Spirit of Collectivism Vital to Communist Culture, 4 pp.	
KOREAN, per, Kulloja, No 8, Jun 1962, pp 6-11.	JPRS 14760
For the Thorough Establishment of an Individual Training System for Cadre, by Chong Chi-hwan, 4 pp.	•
KOREAN, per, <u>Kulloja</u> , No 8, Jun 1962, pp 12-17.	JPRS 14760

Far East Sociological (Contd)

National Culture Stained by European Ideology, by Hong Ui-sop, 5 pp. KOREAN, np, Sinsacho, Jun 1962; Encl 2 to 88-62 Dept of Navy ONI 5149054 to USNA, Seoul., Jun. 1962. Hunting and Game Laws of the Mongolian People's Republic, 4 pp. MONGOLIAN, np, Unen, 19 May 1962, p 2. JPRS 14658 Customs and Habits of the HRE Tribes, 38 pp. VIETNAMESE, bk, Phong-tuc-Tap-quan Nguoi Hre ACSI I-1331 (Ba-to-quang-ngai), pp 1-87. ID 2198516 Answers on Social Security, 3 pp. VIETNAMESE, np, Lao Dong, 15 May 1962, p 2; JPRS 14694 17 May 1962, p 3. Retirement Benefits, by Vu Quy Mao, 3 pp. JPRS 14604 VIETNAMESE, np, Lao Dong, 22 May 1962, p 3. Reforms in the Educational System, 8 pp. VIETNAMESE, np, Nguoi Giao Vien Nhan-dan, JPRS 14694 20 Mar 1962, pp 2, 3. Serving Production or Entering Universities?, by Pham Lam, 4 pp. VIETNAMESE, np, Thu Do Ha Noi, 26 May 1962, JPRS 14880 p 3. Workers' Health Problem at Van Dien Battery Plant, by Phan Thanh Nhan, 4 pp. VIETNAMESE, np, Thu Do Ha Noi, 26 May 1962, JPRS 14880 p 3.

Far East Biographic

In Memoriam Professor Tsang Chan-kung, by Huang Yao-tseng, Kao I-sheng, T'ien Yu-liu, 21 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, pp 28-34.

JPRS 14854

In Memory of Professor Li Chi-t'ung, by Yin Hung-chang, Lo Ch'eng-hou, Shen T'ung, 9 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 357, Mar 1962, pp 33-36.

LATIN AMERICA

Economic

Pulp and Paper Industry in Cuba, by V. N. Shul'gin, V. I. Mudrik, 8 pp. RUSSIAN, per, Sumazhnaya Prom, No 5, 1962, JPRS 14815 pp 28-31. Reorganization Plan of Telecommunications Services, by Jose Ribera, Emilio Bravo, 216 pp. ACSI I-1249-A SPANISH, bk, Plane De Reorganizacion de Los Servicios de Comunicaciones, 162 pp. ID 2196107 New Sugar Quotas, 6 pp. SPANISH, np, Hoy, 20 Jun 1962, p 5. JPRS 14707 Agreements Adopted by Sugar Congress -- Report, by Conrado Bequer, 19 pp. SPANISH, np, Revolucion, Vol V, No 1085, 19 Jun 1962, pp 4, 5. JPRS 14707 The Cuban National Budget, 18 pp. JPRS 14707 SPANISH, per, Trimestre, Jan-Mar 1962, pp 7-16. Cuban Financial Statistics, 13 pp. SPANISH, per, Trimestre, Jan-Mar 1962, pp 39-50. JPRS 14707

Latin America Political

The Cuban Revolution and Sectarianism, 7 pp.
FRENCH, per, La Voie Communiste, No 29, Jun/Jul 1962, pp 4, 5.

JPRS 14797

Allende Outlines Tasks of People's Government, by Salvador Allende, 7 pp. SPANISH, np, Clarin, Vol VIII, No 2,838, 3 Jul 1962, p 3.

JPRS 14724

Two Years of Fraternal Relations Between Cuba and the USSR, by Jacinto Torras, 11 pp. SPANISH, per, Cuba Socialista, Vol II, No 10, Jun 1962, pp 1-7.

JPRS 14769

Experiences in Reorganizing and Purging the Havana Integrated Revolutionary Organizations, by Joel Domenech, 15 pp. SPANISH, per, Cuba Socialista, Vol II, No 10, Jun 1962, pp 30-39.

JPRS 14769

Proceedings of the 18th Uruguayan Communist Party Congress, 169 pp. SPANISH, np, El Popular, 29 Jun- 6 Jul 1962.

JPRS 14798

Fidel Castro's Speech on The Role of Revolutionary Instructors in Cuba, 44 pp. SPANISH, np, Hoy, Vol XXIV, No 152, 30 Jun 1962, pp 3, 4.

Latin America Military

Civil Defense Organization, 4 pp. SPANISH, rpt, 1962, OUSARMA, Uruguay, Encl to R-71-62.

ID 2201748

Biological Attack on the Sources of Maritime Routes: Accomplishment, Tactical and Strategic Consequences, by Ernesto Aberg Cobo. SPANISH, per, Boletin del Centro Naval, Vol LXXIX, No 649, 1961, pp 525-547, Encl No 1 to R-46-62, OUSARMA, Buenos Aires.

*ACSI I-1718 ID 2202367

The Guantanamo Naval Base and International Law, by Fernando Alvarez Tabio, 32 pp. SPANISH, per, Cuba Socialista, 11 Jul 1962, pp 9-34.

JPRS 14820

Cuba, A Military Problem, by Miguel A. Pena, 8 pp.
SPANISH, per, Revista Fuerzas Armadas, 2 May 1962, OARMA, Colombia, Encl to R-167-62.

ID 2201726

NORTH AMERICA

Political

The United States-French Rift -- A New Scene in the Western Diplomatic Kaleidoscope, by Chang Chen-ya, 10 pp. CHINESE, per, Hung Ch'i, No 12, 16 Jun 1962, pp 34-37.

JPRS 14595

Sociological

A New Stage in the Emancipation of the Negroes in the United States, by V. P. Murat, 10 pp. RUSSIAN, per, Sovet Ethnografiya, No 2, 1962.

SCIENTIFIC

Aeronautics

Automatic Regulation of Aviation Engines, Sincrophasing of Rotor Blades of Multi Engine Aircraft by Automatic Means, by O. B. Vlasovk-Lasuk. RUSSIAN, bk, Avtomati-Cheskiye Regulirovaniye Avia-Dzirateli, Sbornik, Noy, Oborongiz, 1962, pp 70-94.

*FTD-TT-62-1166

Planning and Designing Fundamentals of Solid Fuel Rocket Propelled Missile, by V. D. Kurov, Yu. M. Dolzhankiy. RUSSIAN, bk, Osnovy Troyektirovaniya Porokhovnykh Raketnykh Snaryadov, Obrongiz, Moscow, 1961, 294 pp.

*FTD-TT-62-1142

Designing Direct-Current Motors and Generators for Aircraft, by A. I. Bertinov, G. A. Riznik, 121 pp.
RUSSIAN, bk, Proektirovaniye Aviatsionnykh
Elektricheskikh Mashin Postornnogo Toka, 1958, pp 10-13, 85-89, 266-278, 316-398. 9665968

FTD-TT-62-173

The Temperature Field of Air-Cooled Discs and Runner Blades of Gas Turbines, by V. I. Lokay, 14 pp.
RUSSIAN, per. Iz Vysshikh Hoheb Zaved, Aviats

RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>, <u>Aviats</u> <u>Tekh</u>, No 1, 1961, pp 97-104. 9665775

FTD-TT-62-326

Small Scale Ejector Models, by B. S. Stephanovskiy, 22 pp. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Mash i Priborostoy, No 1, 1958, pp 75-86. 9665938

FTD-TT-62-448

Increasing the Efficiency of Diffusers by Fitting Transverse Fins, by V. K. Migay. RUSSIAN, per, <u>Teploenergetika</u>, No 4, 1961, pp 41-43.

MIL M. 3594

Scientific Aeronautics (Contd)

A Device for Automatic Actuation of a Parachute Rescue System for Use During Ejection, by I. L. Amiragov, V. V. Ruzakov, et al, 6 pp. RUSSIAN, Patent No 132,957, 22 Feb 1960. 9665801

FTD-TT-62-350

Effects of Supports on the Outflow Behind a Body, by P. Rebuffet.

FRENCH, rpt, Groupe Consultatif pour la Recherche et la Realisation Aeronautiques, Organisation du Traite de l'atlantique Nord, AGARD Report No 302, 1959, pp 1-31.

*AEC

The HA-23P: The Newest Creation of Prof. Messerschmitt, by Giorgio Evangelisti, 5 pp. GERMAN, per, Austroflug, No 10, 1961, pp 11, 20. 9665947

FTD-TT-62-567

Development and Advances in Rotating Wing Aircraft, by W. Just. GERMAN, per, <u>Luftfahr technik</u>, Vol VIII, No 1, 1962, pp 6-10.

*FTD-TT-62-_119

The Development of Dynamic Lift in Wings, by Herbert Wagner.

GERMAN, per, Z fuer Angewandte Mathematik und Mechanik, Vol V, No 1, 1925, pp 17-33.

*FTD-TT-62-1109

Scientific Astronomy

The Role of Solar Corpuscular and Photon Radiation in the Flashes of Brightness of Comets, by V. I. Cherednichenko, 14 pp. RUSSIAN, per, Iz Glavnoy Astron Observ Ak Nauk Ukrain SSR, III, No 1, 1960, pp 94-104. 9665176

FTD-TT-62-179

Correlation Between the Results of Radio Astronomy and Optical Observations of the Chromosphere, by A. Molchanov. RUSSIAN, per, Solnechnye Dannye, No 11, 1960, pp 64-66.

CSIRO 5629

The Spiral Structure of the Galaxy as Emerging From Radio Astronomical Data, and Further Observations Necessary to Increase Our Knowledge of the Spiral Structure, by P. Parenago. RUSSIAN, per, <u>Trudy Pyatogo Soveshchaniya po Voprosam Kosmogonii</u>, Vol V, 1955, pp 535-538.

CSIRO 3947

Propagation of Ultra-Short Waves in the Troposphere, by M. Argirovic. CROATIAN, per, <u>Tehnika</u>, No 7, 1960, pp 1247-1253.

*FTD-TT-62-1138

Derivation of the Formulae for the Reduction of Planetographic Observations With Special Reference to the Planet Mars, by K. Graff. GERMAN, 1910.

Rand RM-3138

Transfer of Angular Momentum by Magnetic Fields and the Slowing-Down of Rotating Stars, by R. Lust, A. Schluter. CERMAN, per, Z. fuer Astrophysik, Vol XXXVIII, 1955/1956, pp 190-211.

CSIRO 5618

Scientific Biology

Biological Productivity of Mater Reservoirs, by G. S. Karzinkin. RUSSIAN, bk, 350 pp.

*AIBS

Biostratification and Typology of Russian Sapropels, by N. V. Korde. RUSSIAN, bk, 220 pp.

*AIBS

Field Geobotany, by E. M. Lavrenko. RUSSIAN, bk, 1,000 pp.

*AIBS

Special Ichthyology, by G. V. Nikol'skiy, 538 pp. RUSSIAN, bk, Chastnaya Ikhtiologiya, 1954.

OTS 60-21617 PL-460

Some Data on the Biology and Fishery of the Barents Sea Capelin, by Yu. F. Pozdniakov.
RUSSIAN, bk, Concentrations and Migrations of Commercial Fishes in the Murman Coastal Zone, and Their Relation to Biological, Hydrological, and Hydrochemical Processes, 1958, pp 150-175.

Dept of Interior SH211 E62 No 376

State Register (Pedigree) of Aurochs and Bisons, (Pureblood, Purebred and Hybrids), by M. A. Zablotskiy, 95 pp.
RUSSIAN, bk, Gosudarstvennaya Plemennaya Kniga Zubrov i Bizonov, (Chistokrovnykh, Chistoporodnykh i Gibridnykh), Vol I, 1956.

OTS 61-31055 PL-480

Soviet Investigations on the Biology of the Cod and Other Demersal Fishes of the Barents Sea, by N. A. Maslov. RUSSIAN, bk, Soviet Fishery Investigations in North European Seas, Moscow, 1960, pp 155-230.

Dept of Interior SH211 Et2 No 373

Fixed and Drift Nets, by F. I. Baranov. RUSSIAN, bk, Theory and Calculation of Fishing Gear, Chap 8, 1948, pp 220-255.

Dept of Interior SH211 E82 No 364

Effect of Illumination Conditions on the Development of Soybeans, by I. D. Belikov. RUSSIAN, per, Agrobiologiya, No 2, 1954, pp 122-124.

CSIRO 3974

Soviet Agrobiological Science on the Fortieth Anniversary of the Great October Revolution, by T. D. Lysenko. RUSSIAN, per, Agrobiologiya, No 5, 1957, pp 4-11.

NLL M. 4853

Problems of Evolutionary Morphology of the Cell in the Light of Data From Electron Microscopy, by A. N. Studitskiy, 45 pp. RUSSIAN, per, Arkhiv Anatomii, Gistol i Embiol. Vol XLII, No 3, 1962, pp 3-29.

JPRS 14719

Part Played by N-Omides of Alkaloids in the Plant, by L. Arcshkina. RUSSIAN, per, Biokhimiya, Vol XVI, No 5, 1951, pp 461-470.

CSIRO 3768

Data on the Pathogenesis of Lymphocystis Johnstonei Moodcock, by K. Rasin.
RUSSIAH, per, <u>Biologicke Spisy</u>
Vysoke Skoly Zverolekarske Brno, CSR, Vol VI, No 2, 1927, pp 1-23.

Dept of Interior SH211 E82 No 377

Hypomorphic and Antimorphic Genes, by M. G. Tsubina, 9 pp. RUSSIAH, per, Biol Zhur, Vol IV, No 6, 1935, pp 997-1004. 9009762

OTS 61-31009 PL-400

A Cytogenetic Study of the Y-Chromosome in <u>Drosophila Melanogaster</u>, by M. E. Weuhaus, 26 pp.
RUSSIAN, per, <u>Biol Zhur</u>, Vol VII, No 2, 1938, pp. 335-358. 9089770

OTS 61-11485 PL-480

The Cytogenetic Nature of the Position Effect of the Genes White (Nottled) and Cubitus Interruptus, by I. B. Panshin, 33 pp. RUSSIAN, per, Biol Zhur, Vol VII, No 4, 1938, pp 837-865. 9089779

OTS 61-11486 PL-480

Selected Articles From the Russian Periodical Botan Zhur.

Vol XLI, No 8, 1956, pp 1194-1206. Adventitions Roots and the Root System of Pinus Sibrica in the Central Sayan Mountains, by P. K. Krasilnikov.

CSIRO

Vol XLI, No 11, 1956, pp 1647-1652. A Few Observations on Land Plants Subjects to Excessive Subsoil Moisture and Feriodic Flooding in the Rybinsk Reservoir Area, by V. N. Makarevich.

CSIRO 3775

Vol XLIII, No 5, 1958, pp 713-720. Cluster Sowings of Tree Species and the Growing-Together of Their Roots, by V. Ya. Koldanov.

MLL M. 4863

Vol XLVI, No 1, 1961, pp 3-20. A System of Life Forms of Higher Plants, by G. Zozulin.

CSIRO 5451

Derivatives of Carbanic Acid and Mutations, by I. A. Rapoport, 5 pp. RUSSIAN, per, Byull Eksper Biol i Redit, No 23, 1947, pp 195-201.

OTS 61-11477 PL-450

Year-to-Year Variability of Meadows, by T. A. Rabotnov.
RUSSIAN, per, Byull Moskov Obshch
Ispytatelei Prirody, Vol LX, No 3,
1955, pp 9-30.

CSIRO 3155

Peculiarities of Shoots of Perennial Grasses of Different Age in Pasture Crops, by A. R. Chepikova.
RUSSIAN, per, Byull Moskov Obshch
Ispytatelei Prirody, Vol LXI, No 6,
1956, pp 104-107.

JSIRO 3778

Selected Articles From the Russian Periodical Byull Moskov Obshch Ispytateli Prirody, Otdel Biolog.

Vol XLVI, 1937, pp 36-42.
Method and Technique of Age Determination of the Squirrel and
Analysis of the Age-Group
Composition of Squirrel Populations,
by I. D. Kiris.

CSIRO 3898

Vol XLIX, No 6, 1954, pp 11-25. A Method of Determining the Age of Moles (Talpa spp.), by H. K. Deparma.

CSIRO 3446

Vol LIX, No 6, 1954, pp 3-9. The Ecology of the Dzeren (Procapra Gutturosa) on Barsa-Kel'mes Island, by N. Ismagilov.

CSIRO 3445

Vol LK, No 5, 1955, pp 113-119. Studies of Transpiration and Hydration of Leaves of Some Plants of Central Yakutia, by V. Dadykin, E. Torgovkina.

CSIRO 3901

Experience in High-Temperature Drying of Jood in Petroleum, by S. E. Shteinberg. RUSSIAH, per, <u>Derevoob Prom</u>, Vol V, Ho 10, 1956, pp 6-6.

CJIRO 3502

A New Field Method of Determining the Suction Force of Plants, by V. S. Shardakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXX, No 1, 1948, pp 169-172.

CSIRO 3862

The Alkylation of the Gene Molecule, by I. A. Rapoport, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol LIX, No 6, 1948, pp 1183-1186. 9089767

OTS 61-11478 PL-480

The Natural Radioactivity of the Xonal Soils of the European Part of the USSR, by M. T. Yastrebov, 8 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXIX, No 3, 1958, pp 586-589. 9087687

NIH 5-25-62

Air Transportation of Fish Species in Soviet Russia, by E. Loktionov. RUSSIAN, np, Ekon Gazeta, 15 Aug.

Dept of Interior SH211 E82 No 363

Nutrition and Capacity for Blood-Sucking in Black Flies (Diptera, Simulidae), by I. A. Rubtzov. RUSSIAN, per, Entomol Obozrenie, Val XXXV, 1955, pp 731-751.

CSIRO

Peculiarities of the Diapause in Eggs of Acridian Orthoptera, by I. Kozhanchikov.
RUSSIAN, per, Entomol Obozrenie, Vol XXXV, No 1, 1956, pp 28-42.

CSIRO

Biological Principles of the Control of Ixodid Ticks, by D. Blagoveshchenskiy. RUSSIAN, per, Entomol Obozrenie, Vol XXXVI, No 1, 1957, pp 125-133.

CSIRO 3869

Concerning a Transmission of Increased Nonspecific Resistance to Bacterial Toxins From the Mother to the Fetus, by H. Raskova, J. Vanccek, et al. RUSSIAN, per, Farmakol i Toksikol, Vol XXV, No 3, Nay-Jun 1962, pp 301-303. 9090905

USDA Tr V-1789

Accumulation of Dry Matter and Yield of Cotton in Plant Stands of Different Density, by M. P. Mednis. RUSSIAN, per, Fiz Rastenii, Vol II, No 1, 1955, pp 52-61.

CSIRO 3973

Secretory Activity of the Pancreas in Fine Wollen Sheep, by D. K. Kuimov. RUSSIAN. per, Fiziol Zhur imeni Sechenov, Vol XXXIX, No 4, 1953.

Univ of Melbourne T.216

The Interaction of Genes, Affecting the Wing in Drosophila Melanogaster, by N. V. Dubovskiy, 6 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Vol II, 1935, pp 1163-1168. 9089763

OTS 61-31007 PL-460

News of Soviet Biology, by V. I. Yazdovskiy, 6 pp. RUSSIAN, per, Iz Ak Nauk SSSR, No 2, 1962, pp 308-311.

JPRS 14553

Decisions of the 22nd CPSU Congress and Biological Science, by T. N. Shcherbinovskaya, 5 pp. RUSSIAH, per, Iz Ak Hauk SSSR, No 2, 1962, pp 314-316.

JPRS 14554

Variations in the Composition of the Free Amino Acids in the Roots and Sep of Polygonum Orientale in the Different Developmental Phases, by E. S. Avundzhyan.
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSSR, Biolog Nauk, Vol XIII, No 2, 1960, pp 3-16.

CSIRO 5371

Sclected Articles From the Russian Periodical Iz Ak Nauk SSSR, Otdel Biol Mauk, 1939.

Dependence of the Frequency of Minute Chromosome Rearrangements in Drosophila Melanogaster Upon X-Ray Dosage, by M. L. Bel'govskiy, 14 pp, (pp 159-170). 9089772

OTS 61-11484 PL-480

A Cytological Study of the Breaks at the White Locus of the X-Chromosome in <u>Drosophila Melanogaster</u>, by A. A. Prokof'yeva-Bel'govskaya, 13 pp, (pp 215-227). 9089771

OTS 61-11483 PL-480

A Cytological Study of the "Simple Breaks" in the Inert Region of the Scute Chromosome of <u>Drosophila</u> L'elanogaster, by A. A. Prokof'yeva-Bel'govskaya, ll pp, (pp 349-361). 9089775

OTS 61-11482 PL-480

Inert Regions in the Inner Part of the X-Chromosome of Drosophila Melanogaster, by A. A. Prokof'yeva-Bel'govskaya, Upp, (pp 362-370). 9089776

OTS 61-11481 PL-400

The Catches of Small Kandalaksha Herring in Spring 1929, by I. M. Gerasimov, 11 pp.
RUSSIAN, per, <u>Iz Leningrad Nauch-Issled Ikhtiologicheskogo Inst</u>, Vol. IX, No 2, 1931, pp 42-50.

OTS 60-51149 PL-400

The First Scientific Conference of Young Scientists of the Institute of Experimental Biology and Redicine Siberian Branch of the Academy of Sciences USSR, by V. V. Melekhov, V. Yu. Ostrovskiy, V. S. Sergiyevskiy, 4 pp.
RUSSIAN, per, Iz Sibirskogo Otdel Ak Mauk ESSR, No 1, 1962, pp 111-113.

Gregarious (Herd) Variation in the Gas Exchange of Sheep, by A. G. Ponugayeva, G. A. Trubitsyma. RUSSIAN, per, Iz Vyssnikh Ucheb Zaved Inst Fiz imeni I. P. Pavlova, No 4, 1955, pp 171-175.

Univ of Melbourne T.238

A New Method of Grafting Conifers for Establishing Seed Orchards, by E. P. Prokazin. RUSSIAN, per, Les Khoz, Vol XII, No 5, 1960, pp 22-28.

CSIRO

Influence of Root Secretions of Pea and Maize on the Development of Certain Soil Microbes Cultured in a Rhizospheric Solution of the Plant, by N. V. Meshkov, P. N. Khodakova.
RUSSIAN, per, Mikrobiologiya, Vol XXIII,

CSIRO

1954, pp 544-550.

The Relation to Different Sources of Nitrogen and Their Ammonifying Activity,

by M. V. Federov, T. K. Il'ina. RUSSIAN, per, <u>Mikrobiologiya</u>, Vol XXV, 1956, pp 537-545.

CSIRO

Fertility of Male Mice Exposed to Gamma Radiation During Embryonic Growth and the Viability of Their Offspring, by F. B. Shapiro, 14 pp.

RUSSIAH, per, Hauch Dok Vysshey Shkoly, Biol Hauk, No 2, 1962, pp 104-108.

JPRS 1.4833

Study of Nucleic Acids in Some Algal Species, by G. P. Serenkov, H. S. Vladychenskaya.

RUSSIAN, per, Mauch Dok Vysshey Shkoly, Biol Mauk, No 2, 1962, pp 147-151.

***USDA**

Life Entrusted to Nan, by D. A. Petrucci. RUSSIAN, per, <u>Nauka i Zhizn'</u>, No 12, 1961, pp 10-42.

*USDA

1

Data on the Nesting of the European Short-Toed Eagle in the Ryazan Region, by V. M. Galushin, 5 pp. RUSSIAN, per, Ornitologiya, No 2, 1959, pp 153-156. 9089764

OTS 61-31051 PL-480

The Biology of the Buffalo Louse Haematopinus Tuberculatus N. and Its Control, by D. Blagoveschenskiy, G. Serdyukova.
RUSSIAN, per, Parazitolog Sbornik, Vol V, 1935, pp 5-25.

CSIRO 5522

Investigations of the Adaption of Ectoparasites. II. Ecological Adaptions of Feather-Mites and Mallophaga, by V. Dubinin.
RUSSIAN, per, Parazitolog Sbornik, Vol IX, 1947, pp 191-222.

CSIRO 5524

Adsorption Processes in the Soil, and Root Nutrition of Plants, by A. Peterburgsky.
RUSSIAN, per, Plant and Soil, Vol XI, No 2, 1959, pp 157-169.

CSIRO 4878

Conflicting Processes as a Basis for the Genetic Development of Soils, by N. P. Remezov, 29 pp. RUSSIAN, per, <u>Pochvovedeniye</u>, No 2, 1932, pp 178-211.

OTS 61-11499 PL-480

PL-480

Some Problems Involved in Forecasting the Salt Regime of Land Recently Under Irrigation, by E. L. Minkin. RUSSIAN, per, Pochvovedenie, No 9, 1997, pp. 70-10.

PSIED 3CC3

Miodern Methods of Plant Breeding, by P. M. Zhukovskiy. RUSSIAN, per, Priroda, Vol LI, No 5, 1962, pp 52-60.

*USDA

Saika (Polar Cod), Boreogadus Saida, (Lepechin), by L. S. Berg. RUSSIAH, per, Prom Ryby SSSR, 1949, pp 519-521.

Dept of Interior SH211 E82 No 366

Gorbusha (Pink Salmon) - Oncorhynchus Gorbuscha (Walbaum), by L. S. Berg. RUSSIAN, per, Prom Ryby SSSR, 1959, pp 154-156.

Dept of Interior SH211 E82 No 365

Acute Form of Fascioliasis of Sheep, by E. Davtyan.
RUSSIAN, per, Raboty po Gelmintolog, 1953.

CSIRO 4479

Selected Articles From the Russian Periodical Rybnoye Khoz.

Vol XXXVII, No 10, 1961, pp 46-50. Exploitation of New Fisheries in the Far East, by M. Drozdov.

Dept of Interior SH211 E82 No 368

Vol XXXVII, No 12, 1961.
The Development of the Sakhalin and Kurile Islands Fishing Industry, by Sh. G. Nadibaidze, (pp 6-11).

Dept of Interior SH211 E82 No 380

Ocean Perch Fishing in the Bering Sea, (pp 53-57).

Dept c? Interior SH2ll E82 No 383

Vol MCXVIII, No 1, 1962, pp 3-8. The Tasks of the Fishing Industry in 1962.

Dept of Interior SH211 E02 No 384

New Varieties of Pench in Umbekistan, by A. S. Gerevatenko. RUSSIAN, per, <u>Sad i Ogorod</u>, No 12, 1952, pp 28-31.

CSIRO

Birch Fungus -- "Chaga-", by G. Konev, 2 pp.
RUSSIAN, per, Sel'skoye Khom Sibiri,
Vol VI, No 6, 1958, pp 93-94.

ип: 5-22-62

Experiments in Propagation of Eucalyptus Citriodora, by A. K. Larina. RUSSIAN, per, Sovetskiy Subtropiki, No 2-3, 1939, pp 51-53.

CSIRO 3850

Influence of Low Temperature on the Activities of the Hormal and Denervated Manuary Gland, by G. A. Tsakhayev. RUSSIAN, per, Trudy Ak Nauk Litovskoy SSR, Instit Biol, 1959, pp 57-62.

NLL RTS 2085

Hereditary Changes of Physiological Characteristics in Drosophila Melanogaster, by G. B. Medvedeva, I. A. Hechayev, 13 pp. RUSSIAN, per, Trudy Ak Hauk SSGR, Inst Genetiki, No 15, 1950, pp 247-259.

OTS 61-11474 PL-480

Selected Articles From the Russian Periodical Thudy Byuro Kol'tsevaniya, No 9, 1957.

JPRS 14526

Table of Data of the Bureau of Banding on Returned Bands From Black-Throated Divers, 4 pp.

Mass Spring Flight of Certain Species of Amphibious Birds in the Vicnity of the Pukhtu Ornithological Station, Estonian SSR, by A. Yu. Yygi, 8 pp.

Table of Data of the Bureau of Banding on Returned Bands From the Ruff (Philomachus Pugnax L.), 7 pp.

Table of Data of the Bureau of Banding on Returned Bands From the Dunlin (Calidris Alpina L.), 4 pp.

Table of Data of the Bureau of Banding on Returned Bands From the Golden Plover (Charadrius Apricarius L.), 6 pp.

Selected Articles From the Russian Periodical Trudy Byuro Kol'tsevaniya, No 9, 1957. (Contd)

JPRS 14526

Table of Data of the Bureau of Banding on Returned Bands From the Blackbird (Turdus Merula L.), 4 pp.

Table of Data of the Bureau of Bunding on Returned Bands From the Redwing (Turdus Misicus L.), 4 pp.

Table of Data of the Bureau of Banding on Returned Bands From the Song Thrush (Turdus Ericetorum Turton), 5 pp.

Table of Data of the Bureau of Banding on Returned Bands From the Fieldfare (Turdus Pilaris L.), 8 pp.

Results of Banding Thrushes (Turdus Sp.), by E. Ya. Taurin'sh, 4 pp.

Table of Data of the Bureau of Banding on Returned Sands From Great Titmice (Parus Major L.), 19 pp.

Settling and Migration of the Great Titmouse (Parus Major L.), by G. N. Likhachev, 19 pp.

Table of Data of the Bureau of Banding on Returned Bands From Starlings (Sturmus Vulgaris L.), 23 pp.

Table of Data of the Bureau of Banding on Returned Rings From Scandinavian Silver Herring Gulls (Larus Argentatus Omissus Pleske) According to USSR Banding Data, 4 pp.

Celected Articles From the Russian Periodical Trudy Byuro Kol'tsevaniya, No 9, 1957. (Contd)

JPRS 14526

The Biology of the Ruddy Shelduck (Tadorna Ferruginea Pall), by A. G. Bannikov, P. P. Tarasov, 8 pp.

Seasonal Distribution and Migration of the Scandinavian Silver Herring Gull (Larus Argentatus Omissus Pleske)
According to USSR Banding Data, by S. M. Uspenskiy, 5 pp.

New Information on the Distribution and Ecology of the Seagull (Larus Genei Breme), by N. N. Bakeyev, O. I. Skalon, Yu. D. Chugunov, 4 pp.

Table of Data of the Bureau of Banding on Returned Bands From Seagulls (Larus Genei Breme), 48 pp.

Seasonal Migration of Gray Herons (Ardea Cinerea L.) According to USSR Banding Data, by Yu. A. Isakov, 22 pp.

Table of Data of the Bureau of Banding on Returned Bands From Blue-Gray Herons (Ardea Cinerea L.), 30 pp.

Seasonal Distribution and Migration of the Seagull (Larus Genei Breme) According to Banding Data and Visual Observations, by S. M. Semenov, B. V. Sabinveskiy, 24 pp.

Comparison of the Growth of Mussels (Mytilus Edulis) in the White Sea and Sea of Okhotsk, by A. I. Savilov. RUSSIAN, per, Trudy Inst Okeanol Ak Mauk SSSR, Vol XI, 1954, pp 246-257.

NLL M. 4886

Natural Losses During the Chilling of Heat, by H. Golovkin, et al. RUSSIAH, per, Trudy Leningrad Telm Inst Kholodil' Prom, Vol XI, 1956, pp 141-146.

CSIRO 4009

Herring of the Barents Sea, by Z. A. Borodatova, & pp. RUSSIAN, per, Trudy Nauch Inst Rybnogo Khoz, Vol V, No 4, 1930, pp 45-53.

OTS 60-51149 PL-480

The Herring Mith Low Vertebral Count (Clupea Harengus Pallasi Val.) of the Barents and Kara Seas, by V. K. Esipov, 12 pp.
RUSSIAN, per, Trudy Polyarnyy Nauch-Issled Inst Morskogo Rybnogo Khoz i

OTS 60-51149 PL-480

The Reproduction and Life-Cycle of the Murran Herring (Clupea Harengus Harengus L.), by T. S. Rass, 74 pp. RUSSIAN, per, Trudy Polyarnyy Nauch-Issled Inst Morskogo Rybnogo Hoz i Okeanograf, No 6, 1939, pp 93-159.

Okeanograf, No 1, 1938, pp 149-159.

OTS 60-51149 PL-480

Distribution and Abundance of Spawning Herring Near the Eastern Coasts of the Sea of Japan, by A. N. Probatov, 4 pp. RUSSIAN, per, <u>Trudy Problemyth i</u> <u>Tematicheskikh Soveshchanii</u>, ZIN, No 6, 1956, pp 140-143.

OTS 60-51149 PL-480

Some Factors Determining the Abundance of Clupeidae, by A. N. Svetovidov, 14 pp.
RUSSIAN, per, <u>Trudy Soveshchanii</u>
<u>Ikhtiologicheskaya Komissiya</u>, No 1, 1953,

pp 99-109.

OTS 60-51149 PL-480

The Abundance of South Sakhalin Herring, by A. N. Probatov, 15 pp.
RUSSIAN, per, Trudy Soveshchanii
Ikhtiologicheskaya Komissiya, i. .,
1953, pp 110-123.

073 60-51149 PL-480

Temperature of the Skin and Thermal Regulation in Sows, by L. Zhmurin. RUSSIAN, per, Trudy Vses Inst Eksper Vet, Vol XXII, 1959, pp 213-219.

CSIRO 5414

Isolation of the Anthrax Bacteriophage and Its Utilization for the Differential Diagnosis of Bac. Anthracis, by A. Ya. Meshcheryakov.
RUSSIAN, per, Trudy Vses Inst Eksper Vet, Vol XXVI, 1962, pp 46-55.

*USDA

Biological Differences and Similarities Between the Thite Sea Herring and the Baltic Herring, by H. A.

Dmitriyev, 8 pp.

RUSSIAH, per, Trudy Vses Hauch-Issled

Inst Horskogo Rybnogo Khoz i

Okeanograf, Vol XXXIV, 1958, pp 1,8-184.

9089778

OTS 61-31039 PL-480

Serological Analysis of the Races of the Baikal Omul /Coregonus Autumnalis Migratorius (Georgi)/, by D. N. Taliyev, 24 pp.
RUSSIAN, per, Trudy Zool Inst Ak
Mauk SSSR, Vol VI, No 4, 1941, pp 68-91.
9089759

OTS 61-11417 PL-480

Serological Analysis of Wild and Domesticated Forms of Carp (Cyprinus Carpio L.), by D. H. Taliyev, 44 pp. RUSSIAH, per, Trudy Zool Inst Ak Hauk SSSR, Vol VIII, No 1, 1946, pp 43-88.

OTS 61-11418 PL-480

A Joint Scientific Session on the Problem of Biological Principles of Malignant Growth, by N. H. Aksonova, V. M. Bresler, et al. RUSSIAN, per, Tsitologiya, Vol IV, No 3, 1962, pp 370-373.

*USDA

Evaluation of Milk Productivity of Large Cattle According to the Degree of Development of Sweat and Fat Glands, by A. V. Burtsev.
RUSSIAN, per, Uspekh Zootekh Nauk, Vol IV, No 2, 1937, pp 137-143.

CSIRO

Selected Articles From the Russian Periodical Vest Ak Nauk SSSR.

Vol XXIV, No 7, 1954, pp 53-56. Physiological Indices of the Water Needs of Crops in Irrigated Agriculture, by N. Petinov.

CSIRO 4905

Vol XXXII, No 1, 1962. Biologically Active Substances of Plant Origin, by A. A. Fedorov, G. V. Pigulevskiy, (pp 62-67). 9090908

USDA Tr A-1353

Installation for the Study of Algae, by V. E. Semenenko, A. A. Nichiporovich, (pp 77-79). 9090910

USDA Tr A-1355

Vol XXXII, No 2, 1962. Modern Algology and Its Basic Tasks, by M. M. Gollerbakh, (pp 23-28). 9090909

USDA Tr A-1354

Increasing the Sugar Content of Sugar Beets, by V. Yu. Bazavluk, (pp 51-53). 9090884

USDA Tr A-1352

Reflex Temperature Changes in the Manmary Gland During Milk Ejection, by A. D. Vladimirova.

RUSSIAN, per, Vest Lenin U, Ser Biol, Vol III, No 15, 1958, pp 125-132.

IILL RTS 2071

Biology of Foraging Herring Inhabiting the Waters of Southwestern Kamchatka and the Northern Kuril Islands, by I. A. Piskunov, 9 pp. RUSSIAN, per, Voprosy Ikhtiologii, No 4, 1955, pp 63-70.

OTS 60-51149 PL-480

On the Food of Some Predacious Chironomidae Larvae, by A. S. Konstantinov. RUSSIAN, per, Voprosy Ikhtiologii, Vol I, No 3 (20), 1961, pp 570-582.

NLL RTS 2069

Determination of the Age of the Dwarf Suslik (Citellus Pygmaeus Pall), by N. P. Naumov. RUSSIAH, per, Zashchita Rastenii, No 7, 1936, pp 90-97.

CSIRO 3897

Step-Allelomorphism in Drosophila Melanogaster, by I. I. Agol, 15 pp. RUSSIAN, per, Zhur Eksper Biol i Medit, Vol V, 1929, pp 56-101. 9089782

OTS 61-31005 PL-480

Selected Articles From the Russian Periodical Zhur Fiz Khim, Vol XXXVI, No 1, 1962.

JPRS 14710

Thermodynamics of Irreversible Processes and Problems of Biogenesis, by L. A. Nikolayev, 17 pp, (pp 3-15).

On the Thermodynamics of Protoplasm, by V. K. Semenchenko, 9 pp, (pp 15-20).

Thermodynamic Factors in the Kinetics of the Autocatalytic Multiplication of Simple and Complex Prototypes, by N. I. Kobozev, 18 pp, (pp 32-41).

Critical Phenomens in Open Systems, by V. I. Andreyev, 15 pp, (pp 42-52).

Drillability of Fertilizers: A Laboratory Method for Its Determination, by N. E. Pestov, A. N. Mironova. RUSSIAM, per, Zhur Khim Prom, No 8, 1939, pp 33-36.

CSIRO

The Causes of Mosaicism Associated With Heterochromatic Chromosome Regions, by M. L. Bel'govskiy, 31 pp. RUSSIAN, per, Zhur Obshch Biol, Vol V, No 6, 1944, pp 325-356. 9009773

OTS 61-11476 PL-480

Selected Articles From the Russian Periodical Zool Zhur.

Vol XVI, No 2, 1937, pp 247-278. 9089783 A Study of the Lethal Mutations in the Left End of the Sex-Chromosome in Drosophila Melanogaster, by S. I. Alikhanyan, 33 pp. OTS 61-31006 PL-480

Vol XVII, No 4, 1938, pp 678-685. Morphophysiological Characters of the Kara Sea Herring, by M. E. Malushok, 8 pp.

OTS 60-51149 PL-400

Vol XIX, No 3, 1940, pp 445-455. Duel Character of Mutrition and the Sexual Cycle in Female Morseflies, by N. G. Olsufiyev.

CSIRO

Vol XXXIII, No 6, 1954, pp 1403-1409. The Distribution of Some Jerboas in Sandy Deserts and Lethods of Estimating Their Numbers, by E. Syroechkovskiy. CSIRO 3566

Vol XXXIV, No 6, 1955, pp 1189-1202. Mange Mites (Acariformes, Sarcoptoidea) and Mange Diseases of Wild Animals, by V. Dubinin.

Selected Articles From the Russian Periodical Zool Zhur. (Contd)

Vol XXXVII, No 5, 1958, pp 707-736. Evolution of the Fertilization Type in Terrestrial Anthropods, by M. Gilyarov.

CSIRO 4277

Vol XXXVIII, No 1, 1959, pp 123-126. On the Problem of the Reproduction Cycle of Balaenoptera Physalus L. and Negaptera Nodosa Bonn of the Atlantic Sector of Antarctia, by A. N. Kulikov, N. V. Ivashin.

CSIRO

Vol MCKVIII, No 8, 1959, pp 1268, 1269. 9089755

Downstream Migration of Young Pink Salmon (Oneorhynchus Gorbuscha Malbaum) in the Rivers of Salmalin, by P. A. Dvinin, 4 pp.

OTS 61-31043 PL-480

Vol ML, No 3, 1961, pp 351-357. Peculiarities of Cuticular Structures and Cuticle Formation Among Mylobiontic Insect Larvae as Adaptations to Living in Mood, by B. M. Mamayev, L. M. Semenova.

MLL RTS 2027

Observations of Fish-Shoals From an Aeroplane, by Shizuo Takashima. CHILEGE, per, Gyoruigala Zasshi, Vol VIII, No 3-4, 1961, pp 65-68.

Dept of Interior SH211 E82 No 378

Chromosomes and Sex Determination, by Fang Tsung-hsi, 5 pp. CHRESE, per, K'o-hsuch Ta-chung, Jan 1962, pp 11, 12.

JPRS 14502

Research Work on Bacterial Fertilizer at the Institute of Forestry and Pedology of the Academia Sinica, by Hsu Kuang-hui, 12 pp.
CHIESE, per, K'o-hsuch T'ung-pao, No 2, 1962, pp 43-45.

JPRS 14756

Crossbreeding of Mheat and Elytrigia Species, by Li Chen-shen, Ch'en Chich-yang, Liu Kuan-chun, 8 pp. CHIESE, per, K'o-hsuch T'ung-pao, No 4, 1962, pp 40-42.

Order Salientia of Class Amphibia Found in China, by Hsieh Ch'ung-ping, 5 pp. CHIMESE, per, K'o-hsueh T'ung-pao, No 5, 1962, p 48.

Egg Development and Larval Stages of the Dolphin, by Satoshi Mito. CHIMESE, per, Mihon Suisangaldai Shi, Vol MIVI, No 3, 1960, pp 223-226.

Lipids of the Muscle of Tuna, Thynnus Orientalis. VI. Sphingolipids of Dark-Colored and Ordinary Muscles, by Muneo Matada.

CHITESE, per, Mihon Suisangakhai Shi, Vol XVI, No 4, 1960, pp 421-424.

Lipids of the Muscle of Tuna, Thynnus Orientalis. VII. Distribution of Lipids in Dark-Colored Muscle, Ordinary Muscle, and Several Other Tissues, by Muneo Matada. CHIMESE, per, Mihon Suisangakkai Shi, Vol MAVI, No 4, 1960, pp 425-429.

Phytoestrogens, by J. Chury, 9 pp. CZECH, per, Veterinarstvi, 1958, pp. 341-344.

The Relation Detween Soil Fertility,

Vegetation-Survey Units and Grass Production on Old Permanent Pastures in a Sandy District, by T. Pe Boer, T. Ferrari. DUTCH, per, Verslagen van Landbourkundige Onderzoekingen, No 62, pp 1-23. JPRS 14756

JPRS 14854

Dept of Interior SH211 E82 No 374

Dept of Interior SH211 E82 No 238a

Dept of Interior \$11211 E82 No 238b

11III 5-26-62

Changes in the Myosin Fraction of Fish Muscle on Freezing, Cold-Storage and Thawing, by O. Mikkila. FINNISH, per, Valtion Telmillinen Tutkimuslaitos, Kemia, Helsinki, Vol IV, No 12, 1957, pp 3-7.

CSIRO 5547

The Bacteria Found in the Root Nodules of Leguminous Plants, by M. Maze. FRENCH, per, Annales de l'Institut Pasteur, Vol XIII, 1899, pp 145-155.

CSIRO 14020

Studies of the Complement. II. First Stages of the Haemolytic Action of the Complement. Part Played by the First Component, by R. Laporte, et al. FRENCH, per, Annales de l'Institut Pasteur, Vol XCII, 1957, pp 15-42.

CSIRO 5394

Anugillula Silusiae de Man, A New Species of the Genus Anguillula Ehrb. Living in the So-called Beer-Lats, by J. D. Man.

FRENCH, per, Annales Soc Royale
Zoologique et Malacologique fe Belg,
Vol MLVIII, 1941, pp 1-18.

CSIRO

Types of Tropical Virgin Forests in Peru, by H. Ellenberg. FRENCH, per, Journal Forestiere Suisse, Vol CX, No 3, pp 69-67.

CSIRO

The Cause of Outbreak of "Fin Rot" in Fishes and Its Treatment With Kanamycin, by D. A. Conroy.
FRENCH, per, Las Causas de Un Brote de "Tail Rot" en Peces y su Tratamiento Con la Kanamicina, Nov 1961.

Eastern Fish Disease Lab
Bur of Sport Fisheries and
Wildlife
Lewrtown (P.O. Kearneysville),
Va.

Replacement of Zinc by Glucinium In the Cultivation of Aspergillus Niger, by Charles Lepierre, 2 pp. FRENCH, per, Comptes Rendus Acad Sci, Vol CLVI, No 5, 1913, pp 409-411.

NIH 5-30-62

A New Method for the Determination of the Specific Absorption of Permeable Soil, by A. Bouchardeau, J. Rodier. FRENCH, per, La Housille Blanche, Jul-Aug 1960.

MZDIA

Soil Moisture Content, Stomatal Aperture, and Transpiration of the Oil Palm and the Peanut, by T. Mormer, R. Ochs.

FRENCH, per, Oleagineux, Vol KTV, No 10, 1959, pp 571-500.

CSINO 5346

Modern Theories of Development, by Ludwig von Bertalanffy, 200 pp. GERMAN, bt.

Larper

Investigations on the Aromas of Apples, by K. Strackenbroch. GERMAN, Inaugural Dissertation, Bonn University, 1961, pp 1-56.

CSINO 5430

Measures for Protecting Individual Tress Against Game Damage, by E. Ueckermann. GERMAN, per, Allgemeine Forstzeitschrift, Vol KIV, No 28, 1959, pp 8/2-8/4.

CSIRO

Micrometeorologically Measured Energy Exchanges of an Alocasia Leaf, by K. Raschke.
GERMAN, per, Archiv fuer Meteorologie Geophysik, und Bioklimatologie,

Vol VII, No 2, 1956, pp 240-260.

CSTRO 5028

Some Aspects of the Problem of the Relationship Between Hieroorganism and Higher Plants, by H. Stolp.
GERMAN, per, Archiv fuer Mikrobiologie, Vol KVII, 1952, pp 1-29.

CIENO 3967

The Behaviour of Strontium 90 in Soil and Plants and Agricultural Measures to Reduce Strontium Contamination of Foodstuffs, by F. Scheffer, F. Ludweig. GERMAN, per, Atompraxis, Vol IV, 1958, pp 416-419.

The Bearing Capacity of Compound Timber Circlers, by A. Scheunert. CERIAN, per, Die Bautechnik, Vol XXVII, No 11, 1960, pp 419-420.

CSIRO 5277

The Carbohydrates of the Connective Missue, by Helmut Mormann, 13 pp. GERIAH, per, Beitz z Silikoseforsch, 1950, pp 619-643.

HIH 5-10-62

Formation of Cell Malls in Mardwoods. Determination of Cambium Activity by the Production of Reaction Mood, by G. Casperson.
GENTAM, per, Berichte Deutsche Botan Cesellschaft, Vol LEMIII, No S, 1960, pp 379-357.

CSIRO 5323

Investigations on the Heat and Jater Economy of a Young Forest, by A. Ecungartner.
GERIAN, per, Berichte des Deutschen Jetterdienstes, Vol V, 1956, pp 4-53.

CSIRO 3760

Recent Model Concepts on the Dynamics of Demersal Fish Stocks, by Gotthilf Hempel.

GERIVAI, per, Berichte Deutsche Miss Comm Recresforsh, Vol XVI, No 2, pp 51-89. Dept of Interior SH211 E82 No 370

The Garma-Globulin Components System, by K. Heide, 8 pp.
GERTAH, per, <u>Dibl Haemat</u>, Vol XII, 1961, pp 245-259.

NII 5-40-62

Hould Fungi in the Hive, by J. Holmel. GERMAN, per, Bienenzucht, Vol VIII, 1955, pp 139, 140, 165-167, 199, 200.

CSIRO

Nonograph of the Genus Raveleia Bark, by P. Dietel.
GENTAL, per, Botanisches Zentralblatt
Deiherte, Vol X, No 3, 1900, pp 3/3-369.

CHIRO

The Use of Naturally Occurring Plant Pigments as Indicators for the Determination of Digestibility of Feed, 3, 4, by 1. Deijs, M. Bosman.

GERNAN, per, Central Instituut Voor Landobuwkundig Onderzoek, Jageningen, 1954, pp 219-228.

CSIRO 3374

Tenderization of Isolated Beef Muscles by Perfusion With Sodium Chloride Solution, by B. R. Suri. GERMAN, per, Fleischwirtschaft, Vol EK, No 10, 1957, pp 622-624.

CSIRO 4075

Correlations Between Muscle-Fibre Diameter and Meat Quality, by F. Lorincz, G. Biro.
GERLAN, per, Fleischwirtschaft, Vol XII, No 5, 1960, pp 377-380.

CSIRO 5026

Practical Results of a Chemical Meed Control Method, by Deicke, Oberforster. GERNAN, per, Forst und Holz, Vol XI, No 9, 1956, pp 160-162.

CSIRO

The Deformability of Arable Soil, by W. Solme.
GERMAN, per, Grundlagen der Landtechnik, Vol III, 1952, pp 51-59.

CSIRO 4115

Friction and Cohesion in Relation to Arable Soils, by W. Sohne. GERMAN, per, Grundlagen der Landtechnik, Vol V, 1953, pp 64-60.

CSIRO 3763

Physical Investigations of the Forces Acting Between Soil Particles, by A. Gerlach. GERIAM, per. Grundlagen der Landtechni

GERIAH, per, Grundlagen der Landtechnik, No J, 1953, pp 01-00.

Selected Articles From the German Periodical Handbuch der Pflanzenphysiologie, Vol III, 1956.

The Temperature of Plant Surfaces, by B. Huber, (pp 285-292).	CSIRO	5421
Stomatal Transpiration and Physiology of the Stomata, by M. Stalfelt, (pp 351-421).	CSIRO	5188
Drought Resistance, by O. Stocker, (pp 696-741).	CSIRO	5192
Mater as a Factor in Plant Geography, by C. Troll, (pp 750-786).	CSIRO	4146
The Nater Economy of Lpiphytes and Lianas, by F. Gessner, (pp 915-950).	CSIRO	5194
Moisture Permeability of Lacquered and Veneered Particle Board and Plywood, by II. Niesen. GERMAN, per, Holz Als Roh- und Merkstoff, Vol XVII, No 4, 1959.	CSIRO	
Investigations on the Surfaces of Moods Coated With Polyester Lacquers, by H. Hiesen. GERMAN, per, Holz Als Roh- und Merkstoff, Vol. XVII, 1959, pp 30-32.	CSIRO	
Investigations Into the Fine Structure of Bordered Pit Membranes in Spruce, Based on a Method of Met Preparation, by G. Jayme, F. Dietrich. GERMAN, per, Molz Als Roh- und Merkstoff, Vol XVII, 1959, pp 226-230.	csino	14906
On Spacing Beets, by C. T. de Mit. GERMAN, per, Instituut voor Biologisch en Scheikundig Onderzoek van Land- bouwgevassen, Mageningen, Vol LECKIII,		
1959, pp 129-134.	CSIRO	149314

The Influence of Temperature on Soil Absorption Capacity, by d. Holdheide. CERMAN, per, Jahrbucher fur dissenschaftliche Botanik, Vol LXXXI, 1935, pp 750-766.

CSIRO 3790

The Submicroscopic Morphology of Recidivating Laryngeal Papillomas, by Hans Timmel, 3 pp.
GERMAI, per Klinische Mochenschrift, Vol MAXIX, No 6, 1961, pp 307-308.

NIH 5-43-62

The Feeding Value of the Straw of Canary Grass, (Phalaris Canariensis), by M. D. Dijkstra.

GERMAN, per, Landbouwkundig Tidschrift, Vol LNIK, 1957, pp 410-412.

CSIRO 3747

The Influence of Growth Factors on the Hardness of Clover Seed, by A. Dijstra. GERIAH, per, Landbouvvoorlichting, Vol XV, No 10, 1958, pp 538-542.

CSIRO 4939

Electrophoretic Studies on Milk Proteins I. The Paper Electrophoretic Resolution of the Proteins of Cow's Milk and of the Corresponding May, by K. E. Schulte, F. Miller. GERIAH, per, Milchwissenschaft, Vol K, 1959, pp 90-97.

CSIRO

The Recruitment of the Herring Stocks and the Growth of the Spring and Autuan Herring in the Jestern Baltic, by Rudolf Handler.

CERIMA, per, Honatschefte für Fischerei, Vol K, No 2, pp 17-22.

Dept of Interior SH211 E82 No 372

Leaf Roll in Beans and Peas, A New Virus Disease in the Leguminosae, by L. Quantz, J. Volk.
GENIAN, per, Machrichtenblatt des Deutschen Pflanzenschutzdienstes, Vol VI, No 12, 1954, pp 177-152.

1961, pp 575-578.

The Copulation Process of Predatory Hites of the Genus Typhlodromus (Acar., Phytoseiidae), by G. Dosse. GERMAN, per, Pflanzenschutzberichte, Vol XXII, No 8-9, 1959, pp 125-133.

CSIRO 4939

The Henoglobin Concentration, Humber of Erythrocytes and Henatocrit in the Blood of the Vasa Recta, by Harl J. Ullrich, Gundul Pehling, 4 pp.
GERMAN, per, Pflugers Archiv, Vol CCLEXIII,

NIH 5-15-62

Glucose and Lactic Acid Concentration at the Tip of the Vascular Counter-Current System in the Renal Medulla, by A. Ruiz-Guinazu, G. Pahling, 5 pp. GERIAH, per, Pflugers Archiv, Vol CCHEKIV, 1961, pp 311-317.

NIII 5-14-62

Parrier and Filter Effect of Vegetation With Respect to Volatile Radioiodine, by Walter Herbst.
CENTAL, per, Strahlentherapie, Vol CAVI, 1961, pp 420-425.

*AEC

Most Finding and Most Specificity of Paresites, by 0. Nattes. GERMAN, per, Verhandlunger der Deutschen Zoologen 1940 in Kiel, 1949, pp 165-173.

CSIRO 3839

Sclected Articles From the German Periodical 2. fuer Acker- und Pflancenbau.

Vol C, No 2, 1955, pp 179-198. Problems and Methods of Root Investigations with Special Consideration of Light Soils, by A. Simon, D. Eich.

CSIRO 3456

Vol CVII, 1957, pp 189-197. The Entensity of Rooting in Soil, by A. Kullmonn.

Selected Articles From the German Periodical Z. fuer Acher- und Pflanzenbau. (Contd)

Vol CIX, No 2, 1959, pp 141-172. Effect of Date of Sowing on the Yield of Lathyrus Sativus L. Compared With Other Leguminosae, by P. Limberg.

Vol CX, No 2, 1960. IIZDIA
Potential Evapo-Transpiration for

Use in Calculations of Rainfall, Run-Off and Evaporation Relationships of Irrigated Soils, by H. Janert.

Investigation of the Thermal Behaviour of Plants With and Without Wind Protection, by G. Casperson.
GERMAN, per, Z. fuer Botanik, Vol XLV,

1957, pp 433-473. CSIRO 5420

The Plexus of Vessels in Popular Wood, by H. J. Braun.
GERTAM, per, Z. fuer Botanik, Vol KLVII, No 5, 1959, pp 421-434.

No 5, 1959, pp 421-434. CSIRO 5216

Contributions to the Ecology of the Red Fox Vulpes vulpes L., by G. Behrendt.

GERMAN, per, Z. fuer Jagdwissenschaft, Vol I, No 4, 1955, pp 161-183. CSINO 5062

The Mater-Binding Capacity of Mammal Maccle, III. The Effect of Meutral Salts, by R. Hamm.

CENTAL, per, Z. fuer LebensmittelUntersuchung und Forschung, Vol CVI,

No 4, 1957, pp 201-297. CSIRO 3853

Biochemistry of the Paturing Reat III.
The Buffering Capacity of Cattle Ruscle.
GEMAN, per, Z. fuer LebensuittelUntersuchung und Forschung, Vol CL:,
No 4, 1959, pp 337-347.

CSINO 4595

On the Norphology, Biology and Bacteria-Free Culture of the Rematode Panagrallus Zymosiphilus Brunhold 1950, by E. Brunhold. CERMAI, per, Z. fuer Norphologie und Okologie der Tiere, Vol MIII, No 4, 1954, pp 374-387.

CSIRO

Host Finding, Invasion Process, and Host Specificity of the Fasciola Hiracidium, by O. Mattes. CENAN, per, E. fuer Parasitenhande, Vol HIV, No 4, 1949, pp 320-363.

CSIRO 3940

Marking Behaviour of Some Camines, by H. Heimburger. GERIAT, per, Z. fuer Tierpsychologie, Vol XVI, Ho 1, 1950, pp 104-113.

CSIRO 4984

Clinical and Pathological Aspects of Babesiasis in Dogs, by U. Reusse. GERIAM, per, Z. fuer Tropenhedizin and Parasitologie, Vol V, 1954, pp 451-469.

CSIRO 4608

Studies on the Olefactory Attraction of Female Mosquitoes, by H. P. Roessler, 31 pp. GERMAN, per, Z. Vergl Physiol, Vol MLIV, 1961, pp 184-231.

HIR 5-49-62

Comparative Physiological Investigations on the Excretion of Parasitic Menatodes by Means of Fluorescence Microscopy, by M. Behrenz.
GERMAN, per, Z. fuer Missenschaft Zoologie, Vol CLLK, 1955/1956, pp 129-164.

CBIRO 5531

Comparative Investigations of the Norphological Structure of the horax of the Mallophaga, Mith Consideration of the Hervous System, by C. Mayer. GERMAN, per, Moologische Jahrbucher, Vol LEMAN, No 1, 1954, pp 77-131.

COINO 4257

Structural Morphology of the Tale Reproductive Apparatus of Mellophaga, by J. Schmutz.
GERTAH, per, Zoologische Jahrbucher, Vol MEXIV, No 2, 1955, pp 211-316.

CSIRO 4528

Cogenital Hairlessness in Calves, by A. Schott.
GENIAN, per, Euchtungslande, Vol KAVIII, 1956, pp 333-336.

CSINO 3707

A New Expedient for Judging the Fleshiness of Live Animals, by H. Gravert. GEM AN, per, Zuchtungslande, Vol K.WIII, 1956, pp 123-425.

CSIRO 3706

Investigation of Lifting Shares for Sugar Beet, by Gohlich Hulst, Sochting. GMRIAH, per, Zucker, Vol I, No 24, 1957, pp 535-538.

CSIRO

A New Crystallisable Organo-Netallic Complex Containing Titonium and Aluminium and Its Catalytic Properties in the Polymerisation of Olefines, by G. Matta, et al. ITALIAN, per, Atti Accademia Mazionale dei Lincei, Vol MAVI, No 2, 1959, pp 150-154.

CSIRO

Note on Irregularities in the Processes of Acidification and Glycolysis in Beef Tissues, by E. Barresi, S. Di Leo. ITALIAN, per, Bollettino Della Soc Italiana di Biologica Sperimentale, Vol KCK, No 1-2, 1954, pp 325-327.

CSIRO

Behaviour of New Strains of Black Sorghum in the La Pampa Region. Interspecific Crossing Within the Genus Sorghum, by R. A. Parodi, et al. ITALIAN, per, Quarta Reunion de Plantas Forrajeras, 1954, pp 30, 31, 52-60.

CSTRO 4102

First Studies on the Effects of the Gibberellins on Environmental Development in Amphibians, by Francesco Saverio Liotti, 9 pp.

TTALIAM, per, Revista di Biologia 54, 1961, pp 155-167.

NIII 5-32-62

Methods for Identifying Citrus Rootstock, Practical, Histological and Colorimetric Methods, by M. Benatena. ITMLTAM, per, Revista de Investigaciones Agricolas, Vol VIII, No 1, 1954, pp 69-94.

CSIRO 5091

Microscopic Diagnosis of Bovine Distonatosis, by E. Voleisang. ITMLIAH, per, <u>Revista de Medicina</u> Veterinaria y Parasitologia, Vol KVI, No 1/4, 1957, pp 33-30.

CSIRO 4615

On the Life History of Dictyotacea I. Tetraspore Development in Dictyota Dichotoma (Hads), Lamour, Dictyopteria Divaricata (Oham.), by T. Hishibayashi, S. Eroh.

JAPARESE, per, Botenical Magazine, Vol LICCII, 1959, pp 261-260.

CSIRO

Programme of the International Indian Ocean Expedition, Particularly the Flan of Operations for Diological Expectigations, by S. Motoda.

JAPANESE, per, Bulletin on Plankton Research, No 7, 1901, pp 11-34.

CSIRO 5395

Studies in the Skin Pigment of Silk-worms Bombyn mori L. TK. A Few Facts About Phenolic Substances and the Rechamism of the Hardening and Colouring of the Skin, by S. Kewase.

JATAMESH, per, J. Journal of Agricultural Science, Vol KIEK, No 5, 1900, pp 1811-1814.

CDIRO 5554

Effect of Heat on the Tests I and II, by T. Nakatani.

JAPANESE, per, Journal of Animal
Reproduction, Vol II, No 1, 1956,
pp 11-14.

CSIRO 5229

Experiments in Artificial Oestrus in Goats Outside in Breeding Season, by S. Susuki, et al.

JAPANESE, per, Journal of Animal Reproduction, Vol IV, No 2, 1958, pp 63-65.

CSIRO 5227

Method of Collecting Ova by Flushing Oviducts in the Goat, by T. Niwa. JAPARESE, per, Journal of Animal Reproduction, Vol V, No 4, 1960, pp 121-123.

CSIRO 5439

Components of Persicaria Hydropiper, by R. Kawaguchi, K. Ishiwatari. JAPANESE, per, Journal of the Pharmaceutical Society, Vol LKIV, 1944, pp 76-79.

CSIRO 5390

On the Increase of Root Nodule Bacteria in the Root Area of the Host Plant III. Studies in Ecology of Root Nodule Bacteria in Soil, by K. Tsujimura, I. Watanabe.

JAPANESE, per, Journal of the Science of Soil and Manure, Vol XXXI, No 4, 1960, pp 173-176.

CSIRO 5174

A Study on the Control of Plant Diseases by Means of Antagonistic Microorganisms, Report No IX. Control of Plant Diseases by Means of Fungi of Trichoderma Species (No 2), by C. Mishikado, K. Watanabe.

JAPAMESE, per, Mogaku Kenkiu, Vol XLIII, 1955, pp 126-133.

Study of the Utilization of Microorganisms which Produce Antibiotics
Against Plant Diseases. Second Report.
Two Stocks of Antagonistic Actinomycetes
Mich Are Effective Against Corticium
Centrifugum in Mon-Sterilized Soil,
by G. Mishilado, et al.
JAPANESE, per, Nogaku Kenkyu, Vol KLIII,
1956, pp 165-171.

CSIRO

Effect of Antritional Condition of Tobacco Seedlings on Their Growth After Planting Out II, and III, by T. Ayiazaki.

JAPALESE, per, Proceedings of the Crop Science Society of Japan, Vol LIVII, No 2, 1956, pp 295-296, Vol LIVIII, No 3, 1960, pp 305-306.

CSIRO 5374

Physiological Studies on Flower Formation in Tobacco. Effect of Materlogging on Growth Reactions After Transplanting, by S. Higase.

JAPANESE, per, Proceedings of the Crop Science Society, Vol CIVII, No 2, 1950, pp 299-301.

CSIRO 5375

Physiological Studies on the Flower Formation of Tobacco, by S. Higase.

JAPANESH, per, Proceedings of the Crop
Science Society, Vol MEVIII, No 1, 1999,
pp. 101-103.

٠.

CSIRO 5376

The Gignificance of Material Quality in the Preparation of Good Pulp, by H. P. Dehm.
HORLEGIAL, per, Horsk Stogindustri, Vol MIV, No 3, 1960, pp 92-95.

CSIRO

Tests on the Control of the Cotton Aphid (Aphis Gossypii Glover) by Heans of Seed Treatments With Systemic Insecticides and Concentrated Sprays, by F. R. Almeida, et al.
PORTUCUMSE, per, Biologico, Vol MIIII, No 8, 1957, pp 145-156.

The Rio Grande Forest, by B. Rambo. PORTUGUESE, per, Separata de Agronomia Sulriograndense, Directoria da Producao Vegetal, Vol III, 1958, pp 1-15.

CSIRO 5259

Distribution in the Plant of Zinc Absorbed During the Treatment of the Seed, b C. Horovitz.

RUMALIAN, per, Studii si Ceretari de Biologie Scr. Biol Veg, 1959, pp 107-111.

CSIRO 4944

Study of the Contemination and Absorption of Sr and Cs 137 by Prochilodus Platensis (Shad), by Leopoldo Jose Anghileri, 6 pp. SMALISH, rpt, 1959, (NP-9366). 9009626

AEC H.-Tr-41

Vegetation Ecology of Some Andean Caves in Veneruels, by V. Vareshi. SPANESH, per, Acta Biologica Venezuelica, Vol II, No 23, 1950, pp 271-209.

CSIRO 5258

The Cerrado - An Oligotrophic Flora, by R. Arens.

SPANISH, per, Ciencias e Letres de Universidade de Sao Pauls. Faculdade de Filosofia Botanica, No 15, Bol, No 224, pp 59-77.

CSTRO 5260

Distribution and Natural Habitat of the Farana line (Arancaria Angustifolia, by M. Ineek. SIANILH, per, Faculdade de Filosofia, Ciencias e Letras, Botanica, No 10, 1953,

CSIRO 5503

The Forest Regions of South America, by M. Hacek. SPANISH, per, Instituto Forestallatino-americano de Investigación y Carceiteteion, No 2, 1950, pp 1-10.

CSTRO 5362

Dry Forests of the Propical and Subtropical Zones of South America, by K. Rusch.

SPANTSH, per, Instituto Forestallatino-caericano de Investigación y Capacitateion, Vol. IV, 1999, pp. 1-42.

CCIRO 5500

Rhipicephalus Sanguineus as Vector of Piroplassa Canis in Brasil, by P. Regendrin, J. Lunia. SPALLER, per, Hen Instituto Oswaldo Crus, Vol IXXI, No 1, 1930, pp 01-04.

CSIRO 4767

Repid Steining of Protocoa with Fenchrone Blue G1239, by Juan Del Rey Colero, Manuel Gutierrez, 4 pp. SPANISH, per, Revista Tecirca de Parasitologia, Vol EKI, No 2, 1961, pp 103-196.

HER 5-39-62

The Use of Punched Cards in Forest Tree Dreeding, with Particular Reference to Inventories of Elits Trees, by C. Bolland, M. Hoffman.

SPARISH, per, Silvae Genitica, Vol VIII, No 3, 1999, pp 69-69.

CSIRO

Preliminary Results of the 'Fortenget' end Fet-Herring Investigations in Sammer of 1956, by Olaf Dragesund. S.EDISH, per, Fishets Gong, Vol KGI, No 23, 9 Jun 1955, pp 317-322.

Dept of Interior SHILL BOX NO 367

Some Notes on Irreversibly Dried, Difficultly mettable Soils, by A. Domingo. J. IDEDI, per, Landbouwkundig Tijdschrift, Vol LIII, 1950, pp 252-440.

C3TTO 4665

Place of Photosynthesis in Crop Production, by F. Van der Paans. S MDISH, per, Landbouwkundig Tijdschrift, Vol LEVIII, 1996, pp 335-645.

03IRO 4562

Plant Root and Soil Moisture Relationship on a Sandy Soil, by J. 4. van Lieshout.

S.EDISH, per, Landbouwkundig Tijdschrift, Vol LKIK, 1957, pp 165-179.

CSIRO 3655

The Erosion Scourge, 5 pp. VIETAMESE, np, Ithan Dan, 5 Jun 1962, p 2.

JPRS 14603

Scientific Chemistry

Selenium and Tellurium, by N. D. Sindeyeva. RUSSIAN, bk, 275 pp.

*Interscience Pub.Co

Energy Spectrum on Resonance Absorption of V-Radiation of 92 Kev Zn⁶⁷ in Zinc Oxide, by V. P. Alfimenkov, Yu. M. Ostanevich, T. Ruskov, 16 pp. RUSSIAN, rpt, JINR-P-845. 9089578

AEC Tr-5115

Toxicology of New Industrial Chemical Materials; (Toxicology of Silicon-Organic Materials), by A. A. Letavet. RUSSIAN, bk, 1961; Encl to 456-62 to USNA, Helsinki, 1961.

Dept of Navy ONI 5150664

The Chemistry of Rhenium, by K. B. Lebedev. RUSSIAN, bk, Metallurgizdat, 1960.

Dept of Interior QD181 R414

Selected Articles From the Russian Report Chemistry and Practical Applications of Organo-Silicon Compounds, Leningrad Conference, Vol VI, 1958.

Direct Synthesis of Organochlorsilanes, by S. A. Golubtsov, (pp 24-25).

NLL M.3632

Controlling the Composition of Products of the Direct Synthesis of Methyl and Ethylchlorsilanes in a Fluidized Bed, by I. V. Trofimova, et al, (pp 25-27).

NLL M.3631

The Influence of the Addition of Certain Metals on the Activity of Silicon/Copper Alloys in the Synthesis of Methylchlorsilanes, by N. P. Lobusevich, et al, (pp 28-31).

NLL M.3630

Kinetics of the Direct Synthesis of Ethylchlorsilanes, by Ya. I. Vabel, (pp 31-35).

NLL M.3629

Kinetics of the Direct Synthesis of Ethylchlorsilanes, by Ya. I. Vabel, (pp 35-37).

NLL M.3628

Chemical Weapons and Principles of Antichemical Defense, by A. A. Stepanov, V. N. Popov, (SF-2302).
RUSSIAN, bk, Khimicheskoye Oruzhiye i Osnovy Protivokhimicheskoy Zashahity, 1962, 126 pp.

*JPRS

Chemistry of Extraction Processes, by V. V. Fomin, 145 pp. RUSSIAN, bk, Khimiya Ekstraktsionnykh Protsessov, 1960.

OTS 61-31210 PL-480

The Chemistry of Fluorine and Its Inorganic Compounds, by I. G. Ryss. RUSSIAN, bk, Khimiya Ftora i Ego Neorganecheskikh Soedinenii, 1956, 484 pp, Pt. I; 376 pp, Pt. II.

AEC Tr-3927

Chemistry of New Hypotensive Agents, by Nikolay Mikhaylovich Turkevich, 234 pp. RUSSIAN, bk, Khimiya Novykh Gipotensivnykh Sredstv, Kiev, 1961, pp 1-207.

JPRS 14670

The Chemistry and Application of Organophosphorus Compounds, by A. Ye. Arbuzov, (NY-7188).
RUSSIAN, bk, Khimiya i Primeneniye Fosfororganicheskikh Soyedineniy, 1962, pp 1-632.

*JPRS

Use of Radioactive Carbon C¹⁴ in the Study of Photosynthesis, by O. V. Zalenskiy, O. A. Semikhatova, V. L. Voznesenskiy.
RUSSIAN, bk, Metody Primeniya Radioaktivnogo Ugleroda C¹⁴ dlya Izucheniya Fotosinteza, 1955, 111 pp.

AEC Tr-3432

Testing Methods Employed in USSR for Antibiotics at the Time of Delivery, by L. M. Jacobson.
RUSSIAN, per, Antibiotiki, Vol II, No 5, 1957, pp 35-39.

CSIRO

Chemical Study of Phenoxy-Methyl-Penicillin. Preparation and Properties of Amides of Phenoxy-Methylpenicillin, by A. S. Khokhlov, et al. RUSSIAN, per, Antibiotiki, Vol V, 1958, pp 44-49.

CSIRO

Fermentative Oxidation of Different Fractions of Tea Tannin, by M. A. Bokucheva. RUSSIAN, per, Biokhimiya, Vol XII, 1947, pp 59-67.

CSIRO

The Role of Polyphenoloxidase and Peroxidase in Conversions of Tannic Substances of Tea, by M. A. Bokuchava. RUSSIAN, per, Biokhimiya, Vol XIII, 1948, pp 173-178.

CSIRO

Relation Between Chlorophyll a and b Biosynthesis in the Renewal Process, by A. Shlyk, et al. RUSSIAN, per, Byull Inst Biol Ak Beloruss SSR, No 2, 1956, pp 59-64.

Selected Articles From the Russian Periodical Dok Ak Nauk.

Vol LXX, No 3, 1950, pp 445-448. Investigation of Process of Oxidation of Coals, by V. F. Oreshko.

NLL M.4837

Vol LXXXII, 1952, pp 385-388. On the Fine Structure of Active Carbon, by V. I. Danilov, A. M. Zubko. **CSIRO**

Vol XCI, No 4, 1953, pp 877-880. Investigation of Oxidation of 1-Cl4-Butane and Theory of Destructive Oxidation, by G. I. Feklisov, M. B. Neiman.

NLL M.4805

Vol CXLII, No 5, 1962, pp 1077-1080. Determination of the Heat of Formation of Decaborane, by G. L. Gal'chenko, B. I. Timofeyev.

*FTD-TT-62-985

Vol CXLIII, No 6, 1962, pp 1355-1357. Significance of Conjugation and Orderliness for Semiconducting Properties of Polymers, by A. A. Dulov, A. A. Slinkin, 8 pp.

JPRS 14888

Low Frequencies in Raman Spectra of Liquid Carbon Tetrachloride, Part I, and II, by P. D. Simonov, Ya. Khr. Minchev. RUSSIAN, per, Dok Bolgarskoy Ak Nauk, Vol VIII, No 1, 1954, pp 5-12.

Dept of Navy JHU/APL TG 230-T300

The Hydrogen Brittleness of Iron-Chromium Alloys as a Function of the Temperature and the Testing Rate, by V. A. Yagunov, K. V. Popov, 11 pp.
RUSSIAN, per, Fiz Metal i Metallov, Vol XII, No 2, 1961, pp 176-182.

FTI)-TT-62-444

The Rate of Decomposition (Burning) of Polymers in a High-Temperature Gaseous Medium, by Yu. A. Dushin, 6 pp. RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol IV, No 10, 1961, pp 123-126. 9677928

FTD-TT-62-716

Zirconium and Hafnium Oxyfluorides, by Yu. A. Buslayev, Yu. E. Gorbunova, 9 pp. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 2, 1962, pp 195-201.

AEC Tr-5117

Periodic Phenomena in Oxidation of Coal, by V. F. Oreshko. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 5, 1949, pp 748-759.

NLL M.4838

Determining Constants of the Physical Libration From Hartwig's Observations in 1890-1922 Taking Into Consideration the Libration Effect in the Moon's Radius, by A. A. Gorniya.
RUSSIAN, per, Iz Glavnoy Astron, Ak Nauk Ukrain SSR, Vol III, No 1, 1960, pp 23-35.

*ERDL, Ft Belvoir T-1625

Method of Position Angles for Determining the Elements of Physical Libration of the Moon, by A. A. Yakovkin.

RUSSIAN, per, Iz Glavnoy Aston, Ak Nauk Ukrain SSR, Vol IV, No 1, 1961, pp 3-11.

*ERDL, Ft Belvoir T-1624

A Reaction of Orthocarboxyphenylsulphuric Acid, by V. N. Klyvev, V. F. Borodkin. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Khim i Khim Tekh, Vol III, No 6, 1960, pp 1079-1081.

NLL RTS 2022

Mechanochemistry Research at the Moscow Technological Institute for Light Industry, by L. P. Gaidarov.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tekh Leg Prom, No 5, 1961, pp 149-158.

RAPRA 946

Chemical and Physico-Chemical Methods of Assessing the Quality of Carbon Blacks, by K. A. Pechkovskaya, P. N. Orlovskiy, et al.

RUSSIAN, per, Kauchuk i Rezina, Vol XVI, No 3, 1957, pp 28-32.

CSIRO

Labyrinth Pumps for Aggressive Media, by A. I. Golubev, G. M. Freidisman. RUSSIAN, per, Khim Mash, No 2, 1961, pp 518, 519.

UK Atomic Energy Authority Risley, TRG-Inf-Ser-162(W)

Physico-Chemical Properties of Mixtures of Ammonium Nitrate and Superphosphate, by N. E. Pestov, A. N. Mironova. RUSSIAN, per, Khim Prom', No 2, 1940, pp 11-14.

CSIRO

On the Acceleration of the Decomposition of Sodium Amalgam, by G. I. Volkov, V. A. Grinevich.
RUSSIAN, per, Khim Prom, No 1, 1960, pp 58, 59.

NLL RTS 2061

Selected Articles From the Russian Periodical Khim i Tekh Topliva i Masel.

No 6, 1956, pp 25-34.

Splitting of Humic Acids by Metallic Sodium in Liquid Ammonia, by T. A. Kukharenko, T. E. Vvedenskaya.

NLL M. 3599

No 1, 1957, pp 3-13.
Indirect Methods of Determining the Relative Activity of Catalysis, by N. V. Goncharova, et al.

NLL M.3609

The Market State of the State o

Selected Articles From the Russian Periodical Khim i Tekh Topliva i Masel. (Contd)

No 7, 1961, pp 62, 63. Analysis of Light Hydrocarbons With the Aid of Molecular Sieve, by M. S. Vigdergauz, et al.

No 11, 1961, pp 55-59. The Effect of Additives on the Formation of Deposits in Fuel T-1 at High Temperatures, by Yu. V. Snitserov.

The Effect of Structure and Number of End Groups of the Polymer on the Dyeing of Polyacrylonitrile Fibre, by A. A. Geller, A. B. Pakshver.
RUSSIAN, per, Khim Volokna, No 1, 1961, pp 17, 18.

A Study of the Properties of Polyacrylonitrile Solutions, by N. M. Beder, A. B. Pakshver.

RUSSIAN, per, Khim Volokna, No 3, 1961, pp 21-24.

Physiocochemical Properties of the External Surface of Protein Fibres as Connected to Their Voluminal Hydrophyl Capacity, by V. A. Pchelin.
RUSSIAN, per, Kolloid Zhur, Vol IV, No 2/3, 1938, pp 241-248.

Gelatinised Emulsions IX the Standard Method of Emulsification, by L. Ya. Kremnev. RUSSIAN, per, Kolloid Zhur, Vol XIII, No 5, 1951, pp 394, 395.

NLL M.3625

NLL M.4894

NLL M.3623

NLL M.3570

ERDL, Ft Belvoir T-1619

NLL RTS 2025

Compounds of Sn(II) With NaF KF, by A. N. Kruglov, V. P. Kochergin. RUSSIAN, per, Nauch Dok Vysshey Shkoly: Khim i Khim Tekh, Vol II, No 1, 1959, pp 70-73.

NLL RTS 2077

Conference on Adsorption and Methods of Chromatographic Analysis, by I. A. Nozhkina, V. G. Berezkin, 8 pp.
RUSSIAN, per, Neftekhimiya, Vol I, No 4, 1961, pp 537-575.

NLL Tr Bulletin Vol IV, No 5, 1962

Thermal Alkylation of Methylcychezane With Olefins Under Pressure, by N. M. Nazarova, L. Kh. Freydlin, et al. RUSSIAN, per, Neftekhimiya, Vol I, No 5, 1961, pp 613-618.

*FTD-TT-62-1185

Oxidation of Liquid Hydrocarbons With High Degree of Conversion, by L. K. Obukhova, V. M. Gol'dberg, et al. RUSSIAN, per, Neftekhimiya, Vol I, No 5, 1961, pp 669-674.

*FTD-TT-62-1185

Nitrogen Nutrition of Tobacco, by V. Olendskiy, D. Balanda. RUSSIAN, per, Sbornik Nauch-Issled Rabot Instit Tabaka i Makh imeni Mikoyana, No 150, 1958, pp 123-138.

CSI29 5353

Utilization of Kinetic Energy in the Stages of Impulse Type Steam Turbines, by G. I. Khutski.
RUSSIAN, per, Sbornik Nauch Rabot Belorussk Politekh Inst, No 61, 1957, pp 175-190.

NLL M.3577

Some Special Features of Temperature Distribution in a Direct Current Zenon Discharge, by R. E. Rovinskiy. RUSSIAN, per, Svetotekhnika, Vol II, No 11, 1961, pp 8-13.

TIL/T5329a

The Dependence of the Creep Strength of the Single Crystals of TlBr + TlI Upon the Deformation Rate and the Temperature, by V. R. Regel', G. E. Tomilovskiy, 13 pp. RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Kristall, Vol XII, 1956, pp 158-164.

AEC UCRL Tr-837

The Geochemistry of Selenium and Tellurium in the Almalyk Ore Deposit, by S. T. Badalov. RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Mineral Geokhim i Kristallokhim Redkikh Elementov, Vol IV, 1960, pp 24-27.

Dept of Interior G(570) Ac122m22E

Study of the Chemical Composition of Low-Temperature Coal Tar, by N. Edel'shtein, V. Lanin. RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh, Vol V, 1955, pp 144-155.

CSIRO 3543

Determination of Oxygen in Titanium by Isotope Dilution, by R. Sh. Khalitov, 10 pp.
RUSSIAN, per, Trudy Komissii Anal Khim Ak
Nauk SSSR, Inst Geokhim i Anal Khim, Vol X, 1960, pp 129-136.

AEC TT-1022

Physico-Chemical Changes Taking Place in Meat During Storage, by V. Pal'min. RUSSIAN, per, Trudy Vses Nauch-Issled Inst Myasnoi Prom, Vol VII, 1955, pp 3-14.

CSIRO 4014

A Faster Solution to a Vast Problem, by G. Sedel'nikov, 4 pp. RUSSIAN, np, <u>Turkmenskaya Iskra</u>, 24 Sep 1961, p 2.

JPRS 14126

Relation Between the Length of a Longwall Face and the Amount of Gas Emitted From the Waste, by S. N. Osipov. RUSSIAN, per, Ugol', No 16, 1956, pp 25-27.

Seventh Ukrainian Republic Conference on Organic Chemistry, 17 pp. RUSSIAN, per, Ukrain Khim Zhur, Vol XXVIII, No 3, 1962, pp 412-417.

JPRS 14745

Advance in Butadiene Chemistry, by A. Petrov. RUSSIAN, per, <u>Uspekh Khim</u>, Vol XXII, 1953, pp 905-947.

CSIRO

Chlorocarbons, by N. M. Kogan. RUSSIAN, per, <u>Uspekh Khim</u>, Vol XXVIII, 1959.

CSIRO

A Study of the Glycyrrhizic Acid Content of the Mid-Asian Varieties of Liquorice, by N. K. Abubakirov, V. K. Yatsyn. RUSSIAN, per, Uzbek Khim Zhur, Vol V, 1959, pp 81-86.

NLL RTS 2030

Use of 8-Hydroxyguinoline Derivatives in the Determination of Certain Elements, II. Spectrophotometric Determination of Cobalt by Means of 5:8-Quinolinedione Dioxime, by A. Golovina, et al. RUSSIAN, per, Vest Moskov Univ, Vol V, 1957, pp 187-191.

CSIRO 5615

The Transfer of an Explosion of Gaseous Ozone-Oxygen Mixture to a Liquid Ozone-Oxygen Solution, by B. V. Strakhov, V. P. Lebedev, et al, 3 pp. RUSSIAN, per, Vest Mosk Univ, Ser II. Khim, No 4, 1961, pp 31, 32. 9665789

FTD-TT-62-337

fact.

Selected Articles From the Russian Periodical Voprosy Pitaniya, Vol XXI, No 3, May/Jun 1962.

JPRS 14836

New Polymer Materials Used for Food Packaging, by S. V. Genel, 12 pp, (pp 3-8).

Adaptation of Animal Organisms to Conditions of Varying Intake of Saturated and Non-Saturated Fatty Acids, by M. F. Merezhinskiy, S. M. Nikitina, 7 pp, (pp 38-40).

Secretion of Pancreatic Enzymes at High Temperature in Response to Various Food Stimulants, by Yu. A. Shcherbakov, 9 pp, (pp 61-66).

Some Data on the Natural Radioactivity of Food Products, by N. N. Grigor yants, 4 pp, (pp 89, 90).

Gas Analysis Using Colorimetry, by E. A. Peregud. RUSSIAN, per, Zavod Lab, Vol XV, No 6, 1949, pp 665-669.

NLL M. 3622

Preparation of Colloidal Palladium for the Determination of Hydrogen in Gaseous Mixtures, by N. A. Grudeva. RUSSIAN, per, <u>Zavod Lab</u>, Vol XV, 1949, pp 1247-1248.

NLL M. 3636

Laboratory Reactor for a Fluidized Bed of Catalyst, by M. E. Aero, P. E. Lukianov. RUSSIAN, per, Zavod Lab, Vol XXIII, 1957, pp 369-371.

CSIRO

Investigation of the Thermal Dissociation of Molybdenum Disulphide, by A. N. Zelikman, O. E. Krein.
RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, No 11, 1955, pp 2081-2085.

The Overvoltage During the Evolution of Chlorine, by O. Ksenzhek. RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 12, 1956, p 2812.

NLL M.3659

Studies in the Mecho-Chemistry of Polymers 111. Mechanical and Chemical Processes in the Mastication of PVC, by A. A. Berlin, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 11, 1958, pp 2565-2570.

CSIRO

High Pressure Methanol Synthesis From Water Gas, by M. V. Veltistova, et al. RUSSIAN, per, Zhur Khim Prom, No 9, 1934, pp 24-32.

NLL M.4801

Relation Between the Specific Gravity and the Nitrogen Oxide Content of Nitrosyl-Sulphuric Acid, by S. D. Stupnikov. RUSSIAN, per, Zhur Khim Prom, No 10/11, 1944, pp 5-8.

CSIRO

Investigation on the Preparation of Liquid Gold, by V. E. Tishchenko, S. A. Smirnov.
RUSSIAN, per, Zhur Prik Khim, Vol III, No 7, 1930, pp 1041-1054.

NLL RTS 1942

Conditions of Formation of Manganese Coatings and Some of Their Properties, by K. Gorbunova.

RUSSIAN, per, Zhur Prik Khim, Vol XVII, 1944, pp 581-587.

CSIRO

Investigations on the Field of Recovery of Volatile Solvents on Solid Sorbents. XI. Desorption of Solvents From Solid Sorbents With Steam. Theory of Desorption, by E. V. Alekseyevskiy, Z. S. Vanyushina. RUSSIAN, per, Zhur Prik Khim, Vol XVIII, 1945, pp 658-665.

NLL M. 3606

Highly Refractory Systems With Lanthanide and Actinide Oxides, by S. G. Tresvyatskiy, A. M. Cherepanov, 15 pp.
RUSSIAN, per, Zhur Vses Khim Obshch, No 6, 1961, pp 612-618. 9665769

FTD-TT-62-505

Description of an Invention and Author's Certificate; Title of Invention: Method of Obtaining a Polymer Based on Pdiethynylbenzene, by I. L. Kotlyarevskiy, L. S. Fisher.
RUSSIAN, Patent No 140,579, No 160, Submitted 10 Jun 1960, Under No 670103/23.

*AEC

The Structure of Water and Water Solutions, by Antun Gertner, Iva Bacic, 9 pp. CROATIAN, per, Farmaceutski Glasnik, Vol XVI, 1960, pp 119-126.

AEC Tr-5126

Kinetic Equations of Homogeneous Reactions, by R. Zahradnik. CZECH, per, Chemicke Listy, Vol LIII, 1959, pp 56-103.

CSIRO

New Chemical Tests for Ampoulic Glass, by N. Coufalikova, J. Lenfeld. CZECH, per, Farmacia, Vol XXIII, 1954, pp 9-13.

CSIRO

Experience With Experimental Sodium Heat Transfer Cycle, by M. Pasek. CZECH, per, Jaderna Energie, Vol VIII, 1962, pp 43-50.

*AEC

Colorimetric Microdetermination of Boron in Aqueous Solution by Means of Azo Reagents or Imine Derivatives of H and K Acids, by R. Capelle.

DUTCH, per, Analytica Chimica Acta, Vol XXIV, No 6, 1961.

NZDIA

Investigations Into the Carbonyl Compounds in Butter I, II, III, by H. Van Duin. DUTCH, per, Nederlands Melk- en Zuiveltijdschrift, Vol XII, 1958, pp 74-80, 81-89, 90-95.

Chemical and Electrochemical Properties in the Molten Lithium Chloride - Potassium Chloride Eutectic, by G. Delarue, 90 pp. FRENCH. 9089624

AEC HW Tr-40

Oxidation of Ordinary or Alloyed Steels Heated in Carbonic Gas Under Pressure, by D. Leclercq, C. Chevilliard, R. Darras, 43 pp. FRENCH, rpt, CEA-1407. 9089616

AEC Tr-5195

Minutes of the French-Canadian Discussion on the Behaviour of Fission Gases in Uranium Oxide, 13 pp. FRENCH, rpt, September 26/27, 1961, DM/CS/D-7027. 9089581

AEC Tr-5103

Behavior of Neutron-Irradiated Sintered Beryllium Oxide, by J. Elston, 27 pp. FRENCH, rpt, DM/1182, 1962. 9089612

AEC Tr-5140

Selected Articles From the French Third Annual Colloquium on Metallurgy: Corrosion of Steels.

Certain Factors in the Corrosion of Stainless Steels in Aqueous Solutions, by L. Colombier, (pp 111-125).

BISI 2770

Study of the Precipitation of Chromium Carbide Responsible for Intercrystalline Corrosion in Austenitic Stainless Steels, by H. Hatwell, (pp 137-146).

BISI 2771

Corrosion of Stainless Steels by Pure Water at High Temperature, by E. Pouillard, (pp 147-160).

BISI 2772

Knife Edge Corrosion of Welding Joints in Certain Stainless Steels, by J. Hochmann, (pp 171-174).

BISI 2773

General Kinetic Characteristics of the Reactions Asol + Bgas Csol at a Coefficient of Expansion Greater Than Unity, by D. Peschanski.

FRENCH, per, Annales de Chim, Vol II, 1947, pp 601-607.

Broken Hill Prop Co Ltd (CRL/T.588)

Measuring Equipment for the Investigation of Rapid Halogenation Reactions, by W. Walisch. FRENCH, per, Annales Universitatis Saraviensis, Vol VII, No 3/4, 1958, pp 311-325.

CSIRO 5552

Research on Thymol. About the Constitution and the Formation of the Benzyl Derivatives of Thymol, by R. Royer, A. Cheutin. FRENCH, per, Bulletin Societe de la Chimique de France, Vol V, No 11/12, 1955, pp 1421-1426.

CSIRO

The Reactivity of Several Nuclear Graphites With Oxygen and Carbon Dioxide, by M. Jacquet, H. Guerin.
FRENCH, per, Bulletin de la Societe Chimique de France, 1962, pp 411-418.

*AERE, Harwell

Determination of Maleic Acid in Its Copolymers With Vinyl Chloride and Vinyl Acetate, by P. Maltese, et al. FRENCH, per, Chimica et l'Industria, Vol XLI, No 3, 1959, pp 218-221.

CSIRO

Heat Stability of PVC: Influence of the Kind of Initiator, by A. Cittadini, R. Paolillo. FRENCH, per, Chimica et l'Industria, Vol XLI, No 10, 1959, pp 980-983.

CSIRO

On Thermal Effects Accompanying Adsorption I. Application to the Measurement of the Surface of Powders, by M. E. Calvet. FRENCH, per, Comptes Rendus, Vol CCXXXII, 1951, pp 964-966.

Radiocrystallography, Structural Details of Muscovite, by L. Gatineau, J. Mering.
FRENCH, per, Comptes Rendus, Vol CCXLVI, 1958, pp 960-963.

On the Reduction of Europium Sesquioxide and the Preparation of Europium Monoxide, by Jean-Claude Achard, 8 pp. FRENCH, per, Comptes Rendus, Vol CCL, No 18, 2 May 1960, p 3025. 9089633

The Influence of Geometric Parameters of the Texture of Catalysis Agents on the Velocity of Reactions, by P. Le Goff. FRENCH, per, Journal de Chimie Physique, Vol LI, 1954, pp 729-739.

Influence of Polydispersity on the Structure of High Polymer Films, by Mme. Meffroy-Biget.
FRENCH, per, Journal de Chimie Physique,
Vol XLV, 1958, pp 493-501.

An Attempt at Coordination of Methods of Interpreting Reactions of the Type Solid A, Gas B Solid C, by V. Valensi. FRENCII, per, Journal de Chimie Physique, Vol XLVII, 1960, pp 489-505.

Details of the Structure of Muscovite, by L. Gatineau, J. Mering. FRENCH, per, Laboratoire Central des Services Chimiques de l'Etat, Paris.

Anhydrous Beryllium Chloride, by P. Silber, 14 pp. FRENCH, per, Nouveau Traite de Chimie Minerale, Vol IV, 1958, pp 39-47, 52-54.

CSIRO 3982

AEC Tr-5167

*AFCRL Res Lib

CSIRO

Broken Hill Prop Co Ltd (CRL/T.693)

CSIRO 3983

AEC NP Tr-897

- Committee of the second of t

Study of the Priming of Deflagrating Decompositions by the Action of Fumes in Confined Space, by H. Ahrens. FRENCH, per, Revue de l'Industrie Minerale, 1957, pp 579-582.

CSIRO

Substances Which Permit the Development in Bluish Tones of Images on Silver Chloride Papers, by G. Schwarz. FRENCI, per, Science et Industries Photographiques, Vol VII, No 4, 1936, pp 113-116.

CSIRO

Process for Manufacturing Thermoplastic Polycarbonates and Polycarbonates Thus Obtained.
FRENCH, Belgian Patent No 576,465.

GB/39

Organic Titanium Acylates. FRENCH, Belgian Patent No 578,869.

GB/39

Process for Polymerizing Isoprene. FRENCH, Belgian Patent No 580,389.

GB/39

Process for Preparing Copolymers, 8 pp. FRENCH, Patent No 1,061,133.

Patent Office Sci Lib

Process for Polymerizing Butadiene. FRENCH, Patent No 1,221,244.

CSIRO

Handbook of Preparative Inorganic Chemistry. 2nd Edition, edited by Georg Brauer. GERMAN, hdbk, 1,200 pp.

*Academic Press Inc.

Electrochemical Kinetics, by Klaus J. Vetter. GERMAN, bk, 950 pp.

*Academic Press, Inc.

Thermodynamic Charts for Argon Plasma Up to 10° K With Illustrative Examples, by Karl-Freidrich Knoche, 53 pp. GERMAN, bk, Dec 1961. 9676836

ARL 171
Aero Research Laboratory

The Chemical Process at the Electrodes of Electrochemical Sources of Current, by H. Bode.
GERMAN, per, Angewandt Chem, Vol LXXIII, No 16, 1961, pp 553-560.

RAE Lib Tr No 991

Foreward, by K. Richard. The Long-Time Behaviour of High Temperature Steels. I, by P. Bettzieche. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1962, pp 27-34.

BISI 2873

The Long-Time Behaviour of High Temperature Steels, II, by H. Fabritius. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1962, pp 35-47.

BISI 2874

The Long-Time Behaviour of High Temperature Steels, III, by A. von den Steinen. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, Jan 1962, pp 49-60.

BISI 2875

Chemically Incompatible Drug Mixtures, by S. Sommer, et al. GERMAN, per, Archiv der Pharmazie, Vol CCXC, 1957, pp 273-276.

CSIRO

A New Injectible Solvent-Medium (Glycofurol), by H. Spiegelberg, et al. GERMAN, per, Arzneimittel-Forschungen, Vol VI, 1956, pp 75-77.

CSIRO

On the Hot Treatment of Sulphuric Acid Spend Pickle Liquors, by F. J. Heinrich. GERMAN, per, Beiztechnik, Mar 1955, pp 36-39.

BISI 2701

The Rehydration of Metakaolin, by A. Dietzel, B. Dhekne.
GERMAN, per, Berichte der Deutschen Keramischen Gesellschaft, Vol XXXIV, No 11, 1957, pp 366-377.

CSIRO 4004

The second second

The second of th

On Pyrrole Radicals, by Richard Kuhn, Helmuth Kainer.
GERMAN, per, Biochimica et Biophysica Acta, Vol XII, 1953, pp 325-328.

Dept of Navy JHU/APL TG 230 T261

Changes in the Radical Concentration of Coal and Coal Extracts in Concentrated Sulphuric Acid, by E. Ruiter, H. Tschamler. GERMAN, per, Brennstoff-Chemie, Vol XL, No 2, pp 43-45.

CSIRO 4601

Changes in the Radical Concentration of a Vitrite and of the Acetylated Citrite on Heating to 200°C, by E. Ruiter, H. Tschamier.

GERMAN, per, Brennstoff-Chemie, Vol XL, No 2, 1959, pp 41-43.

CSIRO 4602

New Views on the Formation and Constitution of Iron Carbonyls Containing Ethylenodiamine. (Metallic Carbonyls Part LXXIX), by W. Hieber, et al. GERMAN, per, Chemische Berichte, Vol XC, 1957, pp 278-286.

CSIRO

Volumetric Method for the Determination of Zirconium, by T. Boethin, et al. GERMAN, per, Chemische Technik, Vol XIII, No 5, 1961, pp 306, 307.

HB 5576

Recent Advances in the Ion-Exchange Chromatography of Amino Acids and Proteins, by T. Huisman.

GERMAN, per, Chemische Weekblad, Vol LIII, No 42, 1957, pp 553-560.

CSIRO 4108

Stress Corrosion, by L. Graf. GERMAN, per, Draht, Vol IX, Oct 1958, pp 383-389.

*AEC

Bond Conditions in Higher Aromatic Hydrocarbons as Derived From New Precision Determinations of Their Heats of Combustion, by A. Magnus, F. Becker.

GERMAN, per, Erdol und Kohle, Vol IV, No 3, 1951, pp 115-118.

CSIRO 3868

Measurement of Carbon Monoxide and Oxides of Nitrogen in Explosive Fumes, by J. Sinabell.
GERMAN, per, Explosivestoffe, No 7, 1960, pp 141-147.

Dept of Interior TN7 E57 No 517 (R)

Solvent-Free Lacquer Systems Based on Epoxy Resins and Amines, by J. J. Zonsveld. GERMAN, per, Farbe und Lack, Vol LXIV, No 3, 1958, pp 125-130.

CSIRO

Our Knowledge of the Chemical Cleaning Process, by I. Monch. GERMAN, per, Faserforschung und Textiltechnik, Vol X, No 3, 1959, pp 129-137.

NRC TT-928

On the Action of Kinetin on the Distribution of Nitrogen and Protein Synthesis in Isolated Leaves, by K. Mothes, L. Engelbrecht, O. Kulajewa.
GERMAN, per, Flora, Vol CXLVII, 1959, pp 445-463.

Univ of Melbourne T.317

Comparative Investigation of the Determination of Nitrogen by the Kjeldahl and Dumas Methods, by H. Hubsch, K. Nehring.
GERMAN, per, Fresenius' Z. fuer Analytische Chemie, Vol CLXXIII, No 4, 1960, pp 278-284.

CSIRO 5332

Macrodetermination and Microdetermination of Cobalt Traces III. Spectrophotometric Determination Using Nitroso-R-Salt (Sodium-Nitroso-l-Naphtol-2-Disulphonate-3.6), by W. Haerdi.
GERMAN, per, Helvetica Chimica Acta, Vol XLII, No 7, 1959, pp 2334-2342.

CSIRO 5470

Enzymatic Determination of Hyaluronic Acid, by H. Greiling.
GERMAN, per, Hoppe-Seylers Z. fuer
Physiologische Chemie, 1960, pp 318-319, 160-166.

Univ of Melbourne

Simple Clinico-Chemical Method for Determining Cholinesterase in the Serum, by R. Ammon, F. J. Zapp.
GERMAN, per, Klin Wochenschrift, Vol XXXIII, 1955, pp 759-762.

CSIRO

Changes in the Dielectric Relaxation Spectrum of High Polymers Through Drawing, by K. Huff, F. Muller. GERMAN, per, Kolloid Z., Vol CLIII, No 1; 1957, pp 5-28.

CSIRO 5289

Measuring the Quantity of Circulating Ammonia, by A. Andersen. GERMAN, per, Kulde, Vol XII, No 3, 1958, pp 25-28.

CSIRO

The Extrusion of Polyethylene Film Sheet, by E. C. Bernhardt. GERMAN, per, <u>Kunststoffe</u>, Vol XLVII, No 8, 1957, pp 435-439.

CSIRO

Recent Developments in the Field of Plastic Fabric Coatings With Special Reference to the Use of Chlorosulphonated Polythene, by D. Eisele.
GERMAN, per, Melliand Textilberichte, Vol XL, No 1, 1959, pp 84-86.

CSIRO

The Electrochemical Behaviour of Stainless Steels in Sulphuric Acid, Part I, II, by H. J. Wiester, E. Brauns, W. Schwenk. GERMAN, per, Metalloberflache, Vol XV, Mar 1961, pp 73-76, Apr 1961, pp 103-107.

BISI 2891

Alkaline Solutions of Iron-Tartaric Acid-Sodium Complex (EWNN) and Their Use in Cellulose Chemistry, by G. Jayme, W. Bergmann.
GERMAN, per, Papier, Vol XII, No 9/10, 1958, pp 187-196.

CSIRO

Determinations of Volume Swelling of Fibres, by P. Eckert. GERMAN, per, Papierfabrikant, Vol XXV, 1937, pp 414-443.

CSIRO 4676

Sintering of Pure and Activated Oxides in the Solid State, by R. Pampuch. GERMAN, per, Silikattechnik, Vol X, 1959, pp 69-77.

CSIRO

Physical Phenomena of Arc, by W. Rollwagen.
GERMAN, per, Spectrochimica Acta, Vol I, 1939, p 66.

*AFCRL Res Lib

Improving the Testing Method for Determining the Susceptibility of Steel to Stress Corrosion, by W. Radeker.

GERMAN, per, Stahl und Eisen, Vol LXXIII, No 8, 1953, pp 485-492.

*AEC

The Phosphorus-Oxygen Equilibrium in the Presence of Liquid Iron and Lime-Saturated Phosphate Slags, by H. Knoppel, F. Oeters.

GERMAN, per, Stahl und Eisen, Vol LXXXI, 26 Oct 1961, pp 1437-1449.

BISI 2646

Yarn With Periodic Irregularities, by O. Konig. GERMAN, per, Textil-Praxis, Vol XIII, No 1, 1958, pp 8-12.

CSIRO

Microtechnique for Preparation of Longitudinal Sections of Wool Fibres, by R. Lasse.
GERMAN, per, Textil-Rundschau, Vol XI, 1956, pp 323-328.

CSIRO 3964

Decomposition of Alkali Cellulose With Hydrogen Peroxide During Alkaline Steeping, by Th. N. Kleinart.
GERMAN, per, Textil-Rundschau, Vol XIV, 1959, pp 249-259.

CSIRO

The Present Position of Fastness to Light and Weathering, by E. Brunnschweiler. GERMAN, per, Textil Rundschau, Vol XIV, 1959, pp 504-511.

CSIRO

Recent Developments in the Field of Continuous Dyeing of Wool and Wool Plus Synthetic-Fibre Blends, by H. Ris, et al. GERMAN, per, Textil-Rundschau, Vol XIV, No 10, 1959, pp 571-587.

CSIRO 5240

Permeability of Paint Films in Ions, by K. Barton, et al. GERMAN, per, Werkstoffe und Korrosion, Vol IX, No 8/9, 1958, pp 519-521.

CSIRO

The Analytical Features of Commercial and Purified Sulphur. Contribution to the Chemistry of Sulphur, 54, by F. Feher, et al.

GERMAN, per, Z. fuer Analytische Chemie, Vol CLXVIII, No 2, 1959, pp 88-101.

CSIRO

Fundamentals of the Conductiometric Determination of Carbon, by W. Schmidts, W. Bartshcer.
GERMAN, per, Z. fuer Analytische Chemie, Vol CLXXXI, 1961, pp 54-59.

*BIST 2907

The Zirconium-Rich Phases in the Mg-Zr System, by Hans-Joachim Taschow, Franz Sauerwald, 16 pp.
GERMAN, per, Z. fuer Anorganische und Allgemeine Chemie, Vol CCCVII, 1961, pp 123-136. 9089565

AEC Tr-5127

A Contribution to the Chemistry of the Tungstates, by Inge Rabes, Rudolf Schenck, 30 pp.
GERMAN, per, Z. Anorganische Chem, Vol CCLIX, 1949, pp 201-219.

AEC Tr-5125

Fighting Sheet Metal Fires With Chemical Powder Fire Extinguishers, by Arnold Kruger, Martin Togel.
GERMAN, per, Z. Giesserei, Vol XLVIII, No 1, 1961, pp 10-14.

ERDL, Ft Belvoir T-1573

Dye Analysis I. Detection of Annatto in Food Fats, by H. Thaler, R. Scheler. GERMAN, per, Z. fuer Lebensmittle-Untersuchung und - Forschung, Vol XCIII, No 4, 1951, pp 220-224.

CSIRO

Dye Analysis. Detection of Butter Yellow in Food Fats, by H. Thaler, R. Scheler. GERMAN, per, Z. fuer Lebensmittel-Untersuchung und - Forschung, Vol XCIII, No 5, 1951, pp 286-290.

CSIRO

Influence of Strain and Temperature on Corrosion, by O. Lissner. GERMAN, per, Z. Metallkunde, Vol XLIII, 1952, pp 147-150.

*AEC

Research Regarding Diffusion in the Uranium-Zircon and Uranium-Nickel Systems, by N. Muller.
GERMAN, per, Z. Metallkunde, Vol L, No 11, 1959, pp 652-660.

CSIRO

Diffusion of Tri- and Quadrivalent Fission Product Ions in UO₂, by F. Schmitz, R. Lindner, 5 pp. GERMAN, per, Z. fuer Naturforschung, Vol XVIa, 1961, pp 1096-1697. 9089569

AEC Tr-5171

The Diffusion of Kr85 in Th02, by Hans Joachim Matzke, 9 pp. GERMAN, per, Z. fuer Naturforschung, Vol XVIa, 1961, pp 1255-1257.

AEC Tr-5192

On Ion and Electron Conduction and Defects in Silver Bromide Containing Additions of Silver-, Cadmium-, and Lead Sulfide, by J. Teltow.

GERMAN, per, Z. fuer Physikalische Chemie, Vol CXCV, No 3, 1950, pp 213-224.

CSIRO

Combustion Heats and Resonance Energies of Polynuclear Aromatic Hydrocarbons, by A. Magnus, et al. GERMAN, per, Z. fuer Physikalische Chemie, Vol XCVII, No 1/2, 1951, pp 75-91.

CSIRO 3887

Results of Recent Work on the Hydration of Calcium Silicates, by H. Schwiete, H. Muller-Hesse.
GERMAN, per, Zement und Beton, No 16, 1959, pp 25-29.

CSIRO 4994

Process for de-Acidifying and Purifying Wood Sugar Solutions, by A. G. Deutsche-Bergin, A. Apel, et al. GERMAN, Patent No 845,780.

CSIRO

New Mathematical Solution of the Addition Method in Spectral Analysis, by S. Cseti. HUNGARIAN, per, Acta Chim Acad Scient Hung, Vol X, 1956, pp 307-311.

1

NLL M.4892

Factors Influencing the Thermal Decomposition of Potassium Picrate, by Z. Szabo, J. Szava, 23 pp.
HUNGARIAN, per, Magyar Kemiai Folyoirat, Vol LXVI, No 6, 1960, pp 227-234. 9089563

AWRE Tr-31

Sandmeyer Isstin Synthesis Note 111, by S. A. Quilico. ITALIAN, per, Atti Accademia Nazionale die Lincei Rome, Vol XXII, 1957, pp 629-636.

CSIRO

Synthesis of Some Asymmetric Triazino Derivatives, by V. Sorio, P. Madonia. ITALIAN, per, Gazzetta Chimica Italiana, Vol LXXXVII, 1957, pp 992-997.

CSIRO

Solutions of Alkaline Metals in Liquid Ammonia. Note 1 - Thermodynamic Measures, by Leonello Paoloni. ITALIAN, per, Gazzetta Chimica Italiana, Vol XC, 1960, pp 1682-1699.

*AEC

Solutions of Alkali Metals in Liquid Ammonia, by Leonello Paoloni. ITALIAN, per, Gazzetta Chimica Italiana, Vol XCI, 1961, pp 121-144, 412-427.

*AEC

Autosoluble Shellac Waves, by G. Torricelli. ITALIAN, per, Industria Della Vernice, Vol IX, 1955, pp 309-313.

CSIRO

Physical Properties of Articles Made of Plasticized Polyvinyl Chloride, by P. Parrini. ITALIAN, per, Materie Plastiche, Vol XXIV, No 5, 1958, pp 449-456.

CSIRO

Vinyl Chloride Copolymers Part II. Effects of Copolymerization, by P. L. Sbrolli, L. Luccetti. ITALIAN, per, Materie Plastiche, Vol XXV, 1959, pp 21-33.

CSIRO

Vinyl Chloride Copolymers, Part III.
Factors Governing the Use of Copolymers, by P. L. Sbrolli, L. Luccetti.
ITALIAN, per, Materie Plastiche,
Vol XXV, 1959, pp 95-102.

CSIRO

Linear Polymers of Aromatic Vinyl Compounds and Process for Their Preparation. ITALIAN, Patent No 588,316.

GB/39

Process for the Production of Cellular Substances From Olefines. ITALIAN, Patent No 594,624.

GB/39

A Catalytic Process for the Production of Dimers and Other Polymers From Olefines.
ITALIAN, Patent No 600,472.

CSIRO

Characterization of Organic Compounds, by Noboru Sugiyama.

JAPANESE, per, Bunseki Kagaku, Vol XI, 1962, pp 587-595.

*AEC

The Reaction Mechanism of the Synthesis Process of Carbon Monoxide and Hydrogen, by T. Hung, W. Hsien-ching. JAPANESE, per, Jan-liao Hsueh-pao, Vol III, 1958, pp 214-216.

NLL M.3598

Studies on the Synthesis of L-Amino Acids, a Synthesis of L-Proline From L. Glutamic Acid, by M. Tanaka.

JAPANESE, per, Journal of the Agricultural Chemical Society of Japan,
Vol XXXIV, No 9, 1960, pp 782-785.

CSIRO 5488

Corresion of Stainless Steel Tubes by Liquid Sodium Systems (1) Thermal Convectional Corrosion Testing Apparatus, by Hideo Atsumo.

JAPANESE, per, Journal of the Atomic Energy Society of Japan, Vol IV, 1962, pp 94-99.

*AEC

Sublimation of Anhydrous Aluminum Chloride by Takehiko Takahashi. JAPANESE, per, Journal of the Chemical Society of Japan, Ing Chem Section, Kogyo Kagaku Zasshi, Vol LVII, No 5, 1954, pp 337-339.

- HB 5287

III. Refinement of Mother Liquid of Nitration of Lignite, by K. Higuchi, et al. JAPANESE, per, Journal of the Fuel Society of Japan, Vol XXXV, 1956, pp 647-649.

CSIRO

Selected Articles From the Japanese Periodical Journal of the Japan Ceramic Association.

CSIRO

Vol LVI, 1947/1948, pp 59-62. Theoretical Considerations on the Velocity of the Diffusion Reaction (A Study of the Reaction Velocity of Solids During the Formation of Various Silicates, by Segawa Kiyoshi.

Vol LXI, 1947/1948, pp 99-101. Study of the Reaction Velocity of Solids During the Formation of Various Silicates, Report 3, (Reaction Between CaO and SiO₂), by Segawa Kiyoshi.

Vol LVII, 1948/1949, pp 1-3, 7-10; 56-58. Thermal Analysis Studies on Reaction Velocity in the Solid Phase, I. Methods (A Study of the Reaction Velocity of Solids During the Formation of Various Silicates, (Report 1), by Segawa Kiyoshi,

Study of the Reaction Velocity of Solids During the Formation of Various Silicates (Report 4) (Reaction Between Alumina and Silica), by Segawa Kiyoshi.

On the Rate of Solution of Particulate Solids in the Solid-Liquid Contacting Mixers, by Y. Oyama, K. Endoh.

JAPANESE, per, Kogaku Kogaku, Vol XX, 1956, pp 576-581.

NLL M.4891

Mercury in Sea Water: Analysis, by K. Hosohara, H. Kozuma.

JAPANESE, per, Nippon Kagaku Zasshi, Vol LXXXII, No 11, 1961, pp 1479-1480.

*AEC

The Relationship of the Oxidation Losses During Melting in the Cupola to the Lump Size of the Charge Materials, by G. Buzek, M. Czyzewski.

POLISH, International Foundry Conference, Warsaw, 17 Sep 1938.

MU/T 325

On Gasification of Solid Fuel by Fluidizing Technique, by J. Ciborowski, L. Lesniewicz.

POLISH, per, Przemysl Chemiczny, No 8, 1952.

NLL M.4897

Investigations on Ammoniates, by E. Herdegen, J. Nadolska. POLISH, per, Przemysl Chemiczny, Vol VI, 1955, pp 455-457.

CSIRO

Fabrication of Inflammable Mixture for Flame Throwers, 3 pp. SERBO-CROATIAN, per, Vojnotehnicki Glasnik, No 1, 1962, pp 16-20.

525th MI Gp I-1609 ID 2201424

Graphite Wear in Chloralkali Electrolysis, by Dahlerus, et al. SWEDISH, per, <u>Svensk Kemisk Tidskrift</u>, Vol LXVIII, No 6/7, 1956, pp 387-395.

CSIRO

The Composition of the Lipids of Milk, by S. Mattsson.
SWEDISH, per, Svenska Mejeritidningen, Vol LIII, 1961, pp 241-248.

CSIRO 5563

Sugar Sulphonic Acids, Their Formation in the Sulphite Process and Their Constitution, by E. Adler.
SWEDISH, per, Svensk Paperstidning, Vol XLIX, No 15, 1946, pp 339-346.

CSIRO 5561

Scientific Electricity

Lighting With Sodium Lamps, by M. A. Ostrovchkuu, T. L. Flodina. RUSSIAN, per, Svetotekhnika, No 11, 1961, pp 3-5.

*ERDL, Ft Belvoir T-1657

The Rational Design of the Cooling Ducts of a Rotor, by A. M. Rassulov. RUSSIAN, per, Vest Elektroprom, Vol XXXII, No 8, 1961, pp 31-34.

NLL RTS 2049

The Electric Power Supply in the Netherlands in 1961, 6 pp.
DUTCH, per, Electrotechniek, 1962,
Vol XL, No 9, pp 220-222, Call No
TK4 E51, Eng Trans.

Army Map Service

Electric Power in Cambodia Report of a Year's Effort, 7 pp. FRENCH, np, Realites Cambodgiennes, No 314, 6 Jul 1962, pp 12-14.

JPRS 14811

The Rated Over-Current Factor in for Current Transformers, Its Significance and Measurement, by M. Berndt. GERMAN, per, Siemens Z., Vol XXXIX, No 1, 1956, pp 15-19.

CSIRO 3708

Viksjofors Power Station, 7 pp. SWEDISH, rpt, 1962, OUSARMA, Stockholm, Sweden, Encl to R-104-62.

ID 2205044

Electric Power in Helsinki, by Henning Buhl, 5 pp.
SWEDISH, per, Elektroteknikeren, Vol LVI, No 3, 1960, p 68, Call No TK4 E37, Eng Trans.

Army Map Service

Scientific Electronics

Application of the Microauto-Radiographic Method of Investigation to the Study of the Flotation Process, by A. I. Plaksin, et al. RUSSIAN.

NLL M. 4803

Electron Paramagnetic Resonance, by S. A. Altshuler, B. M. Kozyrev. RUSSIAN, bk, 450 pp.

*Academic Press Inc.

Automation of Blast Furnace Processes by Means of Computers, by P. S. Bondarenko, (SF-2335).

RUSSIAN, bk, Avtomatizatsiya Protsessov Domennogo
Proizvodstva s Primeneniyem Schetno-Reshayushchikh
Ustroystv, 1960, 144 pp.

*JPRS

Electronic Simulating Devices, by A. K. Ganulich, 70 pp.
RUSSIAN, bk, Elektronnyye Modeliruyushchiye
Ustroystva, Moscow, 1961, pp 2-78.

JPRS 14776

Optimum Methods of Searching in Continuous and Pulsed Systems of External Control, by A. A. Krasovskiy, 18 pp.
RUSSIAN, bk, Optimal 'niye Metody Polska v Nepreryvnykh i Impul'snykh Sistemakh Ekstremal'-nogo Regulirovani Ak Nauk SSSR, 18 pp. 9677333

FTD-TT-62-747

Principles of Radio Ranging, by A. G. Saygel, 87 pp.
RUSSIAN, tk, Osnovy Radioal 'nometrii, 1960.

ACSI I-0970 ID 2191523

Radiometry, by Vladimir I. Baranov. RUSSIAN, bk, Radiometriya, 1956, 391 pp.

1960, pp 413-424.

AEC Tr-4432

Evaluation of Transients in Extremum Control Systems With Independent Search, by I. S. Morosanov. RUSSIAN, bk, V sb. <u>Teoriya i Primeneniye</u> Diskretn. Avtomat. Sistem, M., Ak Nauk SSSR,

Scientific Electronics (Contd)

Bremsstrahlund Spectrum of 260-Mev Electrons, by Yu. M. Ado, K. A. Belovintsev, S. N. Stolyarov.
RUSSIAN, per, Atomnaya Energiya, Vol XII, No 3, 1962, pp 193-197.

*FTD-TT-62-1174

Towards the Theory of Analytical Design of Regulators, by N. N. Krasovskiy, A. M. Letov, 18 pp.
RUSSIAN, per, Avtomatika i Telemekhanika, Vol XXIII, No 6, 1962, pp 713-720.

JPRS 14623

The Solution of Certain Matrix Inequalities in Automatic Control Theory, by V. A. Yakubovich, 9 pp.
RUSSIAN, per, Dok Ak Nauk SSR, Vol CXLIII, No 6, 1962, pp 1304-1308.

JPRS 14888

Earthing Systems for 110-500kV Overhead Transmission Lines, by A. L. Vainer, A. N. Sherentsis.

RUSSIAN, per, Elek Stant, Vol XXXII, No 1, 1961, pp 78-85.

NLL M. 4802

Protecting Power Systems From Frequency Surges, by L. M. Levit.
RUSSIAN, per, <u>Elek Stant</u>, Vol XXXII, No 5, 1961, pp 71-75.

NLL RTS 2029

Effect of Turn Short-Circuits in a Turbo-Generator Rotor on Its State of Vibrations, by K. A. Khudabasnev.
RUSSIAN, per, <u>Elek Stant</u>, No 7, 1961, pp 40-45.

NLL M. 3572

Scientific
Electronics (Contd)

Selected Articles From the Russian Periodical Elektrichestvo.

1953, pp 35-40.
Transient Process Computation in Long
Linear With Aid of Cylindrical Functions
From Two Independent Variables, by P. I.
Kuznetsov.

*AFCRL Res Lib

ŧ

No 10, 1956, pp 12-18. Conditions of Resynchronization After Loss of Stability, by V. M. Gornshrein. CSIRO

No 2, 1959, pp 58-63. A New Method of Determining the Moisture of the Insulation of Transformer Windings, by B. A. Alekseyev. CSIRO

No 9, 1961, pp 57-63. Some Problems of Making a Power Directional Relay Based on the Hall Effect, by V. G. Doroguntsev, N. I. Ovcharenko. NLL M. 3580

Interpolation of Continuous Communications
With Discrete Transmission, by A. I.
Velichkin.
RUSSIAN, per, Elektrosvyaz', No 3, 1962, pp 3-7.

*FTD-TT-62-1150

Soviet Power System Uses Digital Computer, by G. A. Klimenko, S. Ye. Vasil'yev, 7 pp. RUSSIAN, per, Energetika i Elektrotekh Promy, No 2, Apr-Jun 1962, pp 22, 23.

JPRS 14855

Determination of the Natural Frequencies in Vibrating Relay Servomechanism, by A. G. Bogdanov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Energetika i Avtomatika, No 1, 1961, pp 78-80.

NLL RTS 2065

Use of Computers in Crystal Structure Analysis, by M. A. Poray-Koshits, 15 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XXVI, No 3, 1962, pp 322-330.

JPRS 14645

Scientific Electronics (Con+d)

Towards an Estimate of Motion of Electrons in a Betatron With Increasing Toroidal.

Magnetic Field, by N. A. Volosnykh.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 2, 1961, pp 46-51.

ERDL, Ft Belvoir T-1498

Polishing of Steel With a Jet of Electrolyte, by E. Yu. Yuganson, 6 pp. RUSSIAN, per, Mashinostroitel, No 5, 1960, pp 32-34.

ACSI I-1459 ID 2198539

Complex Automation on Haulage, by A. V. Gudkov, F. I. Marushko, 10 pp. RUSSIAN, per, Mekh i Avtomat Proiz, No 4, 1962, pp 56-58.

JPRS 14609

A Fast Pulse-Shaping Circuit With Adjustable Threshold Using Tunnel Diodes, by S. Gorodetsky, A. Muser, et al.
RUSSIAN, per, Nuclear Instruments and Methods,
Vol XIII, No 3, 1961, pp 282-286.

*AERE, Harwell

Soviet Electronic Computer -- The 256-Channel Time Analyzer With Memory Unit, by A. P. Tsitovich, 27 pp.
RUSSIAN, per, Pribory i Tekhnika Eksperimenta, No 1, Jan/Feb 1962, pp 65-77.

JPRS 14837

Compensation of Ion Space Charge by Electrons, by V. P. Ignatenko, A. S. Myashnikov, 14 pp. RUSSIAN, per, Radiotekh i Elektron, Vol VI, No 12, 1961, pp 2084-2092. 9665812

FTD-TT-62-317

Illuminators Equipped With Powerful Xenon Bulbs, by V. V Trembach. RUSSIAN, per, Svetotekhnika, No 8, 1961, pp 1-7.

ERDL, Ft Belvoir T-1497

Maximum Frequency Flash Impulses of Lamps, by I. S. Marshak. RUSSIAN, per, Svetotekhnika, No 11, 1961, pp 13-17.

*ERDL, Ft Belvoir T-1658 Scientific
Electronics (Contd)

Regarding the Exclusion P. Ninth Headed 11-V, 6 SN and P. 1959 g From the Project "New Editorial Staff Standard of Artificial Illumination. RUSSIAN, per, Svetotekhnika, No 11, 1961, pp 20-21.

*ERDL, Ft Belvoir T-1660

Investigation of Radio-Frequency Motors, by B. N. Gorozhankiy.
RUSSIAN, per, <u>Trudy Inst Issled po Fiz i</u>
Radiotekh, No 8, 1962, pp 3-13.

*FTD-TT-62-1126

State of the Art in Automatic Electric Drives, by V. S. Aleksandrov, et al. RUSSIAN, per, <u>Vest Elektroprom</u>, No 10, 1961, pp 7-12.

ERDL, Ft Belvoir T-1509

Electrical Theory of Ozonizers II. Theory of the Dynamic Characteristics of Ozonizers, by Yu. Emel'yanov, Yu. Filippov.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXI, No 7, 1957, pp 1628-1635.

CSIRO 4008

A Numerical Method for Solving Optimal Control Problems by L. I. Shatrovskiy, 6 pp. RUSSIAN, per, Zhur Vychislitel' Matemat i Metemat Fiz, Vol II, No 3, 1962, pp 488-491.

JPRS 14630

A Device for Electrical Beam Control of Pencil-Beam Linear and Surface Antenna Arrays, by L. N. Deryugin, 3 pp. RUSSIAN, Patent No 138,974 (662481/24), 11 Apr 1960. 9677957

FTD-TT-62-755

Measurements of Interplanar Distance With Radiation of Different Wavelengths, by Martin Cernohorsky.

CZECH, per, Ceskoslovenske Akademie Ved Brnenske Zadladny, Prace, Vol XXXI, 1959, pp 148-155.

*AEC

Scientific
Electronics (Contd)

Approximate Solution of Automatic Control Circuits With Unsymmetrical and Multivalued Nonlinearities, by Stanislav Kibik, 12 pp. CZECH, per, Elektrotechnicky Casopis, No 9, 1961, pp 566-579.

ACSI 1-1616 ID 2201422

The Calculation of Circuits Using Junction Transistors at High Frequencies, by J. P. Vasseur.

FRENCH, per, Annales de Radioelectricite, Vol XI, No 44, 1956, pp 125-144.

CSIRO

The Application of Electronics in Rolling Mills, by M. Pfister. FRENCH, per, Revue de Metallurgie, No 7, 1961, pp 589-598.

BISI 2700

Configuration of the Desy Magnet, by Werner Hardt, 38 pp.
GERMAN, rpt, Deutsches Elektronen-Synchrotron,

Hamburg, DESY-Al.5., 29 pp. 9089575

AEC UCRL Tr-816

Vibration of the Stators of Large Electrical Machines, by E. Lubcke.
GERMAN, per, Acustica, Vol VII, No 2, 1957, pp 133-136.

CSIRO

The Dynamic Behaviour of Arcs in an Alternating Current Circuit, by H. Kopplin. GERMAN, per, Archiv fuer Elektrotekhnik, No 1, 1362, pp 47-60.

*BISI 2900

Electronic Micro-Analysers and Auto-Radiography and Their Use for Studying Segregations, by C. Crussard.

GERMAN, per, Berg-Huttenmannische Monatshefte, Jan 1962, pp 1-12.

*BISI 2899

The New Deutschlandsender Long-Wave Transmitter, 5 pp. GERMAN, per, <u>Die Deutsche Post</u>, No 6, 1962, pp 162-164.

JPRS 14586

Scientific Electronics (Contd)

Ferro-Resonant Oscillations, by O Geppert. GERMAN, per, Elektrotechnik und Maschinenbau, Vol LXXVI, 1959, pp 108-110.

CSIRO

Capacitance Stability of Gas-Pressure Capacitors, by A. Keller.
GERMAN, per, Elektrotechnische Z.,
Vol LXXX, No 21, 1959, pp 757-761.

CSIRO 4824

Dielectric Losses by Ionic Conduction in a Laminated Dielectric, by W. Held, K. Wenzel. GERMAN, per, Elektrotechnische Z., Vol LXXXI, No 4, 1960, pp 121-127.

CSIRO

Electron Theory of Metals, by A. Sommerfeld, H. Bethe, 25 pp. GERMAN, per, <u>Handbuch der Physik</u>, Vol XXIV, No 2 or Part 2, 1933, pp 598-622.

ACSI I-1235 ID 2196101

New Type of Hertzian Spectrograph for the Observation of Electronic Resonance in the Region of Metre and Decimetre Waves, by J. P. Borel, C. Manus.

GERMAN, per, Helvetica Physica Acta, No 3, 1957, pp 254-257.

CSIRO

The Equipment of Long-Distance Carrier-Current Communications With Transistor Amplifiers, by H. Krause.

GERMAN, per, Nachrichtentechnik, No 2, 1962, pp 54-59.

ACSI I-1374-A ID 2198525

The Problem of Interference of Broadcast Transmitters With Symmetrical Carrier-Current Cables, by H. G. Prenzlow, 11 pp. GERMAN, per, Nachrichtentechnik, No 2, 1962, pp 60-63.

ACSI I-1374-B ID 2198525

Short-Distance Carrier-Current Television Transmission Using Coaxial Cables, by B. Precht, 10 pp. GERMAN, per, Nachrichtentechnik, No 2, 1962, pp 64-67.

ACSI I-1374-C ID 2198525 Scientific
Electronics (Contâ)

Model of a Fully Electronic Telephone Exchange for 200 Subscribers, by G. Merz, R. Braun, 27 pp. GERMAN, per, Nachrichtentechnische Zeitschrift, No 5, 1961, pp 227-234.

Patent Office Sci Lib

Control of the Speed of a DC Motor Without a Tachogenerator, by D. Strole. GERMAN, per, Regelungstecnik, Vol VI, No 10, 1958, pp 356-358.

CSIRO

Elimination of the 300c/s Noise in a Winder Motor Supplied by Mercury Vapour Rectifier, by F. Wesselak.

GERMAN, per, Siemens Z, Vol XXXI, No 4, 1957, pp 222-226.

CSIRO

Dielectric Constant and Permeability of Artificial Dielectrics at 3 cm Wavelength, by E. Meyer, et al.

GERMAN, per, Z.fuer Angewandte Physik,
Vol VIII, 1956, pp 257-263.

CS.TRO

Power-Free Magnetic Fields, by R. Lust, A. Schluter, 17 pp. GERMAN, per, Z. fuer Astrophysik, 1954, pp 263-282.

ACSI 1-1528 ID 2201384

Experiments for Finding a Substitute for Platinum as Anodic Material in Electrolytic Oxidation Process, Report II, by G. Angel, H. Mellguist.

GERMAN, per, Z. fuer Elektrochemie, Vol XL, 1934, pp 702-707.

CSIRO

Calibration of Counter Discriminators, by Jozsef Komarik, 13 pp. HUNGARIAN, per, Magyar Hiradastechnika, No 5, 1960, pp 161-165. 9665791

Scientific
Electronics (Contd)

Some Problems on the Operational Reliability of Communications Systems, by Geza Sarkozy, 15 pp. HUNGARIAN, per, Magyar Hiradastechnika, No 1, 1961, pp 30-35. 9665960

FTD-TT-62-363

Synthesis of Characteristics of Linear Antenna Systems, by P. Szulkin.

POLISH per Prese Presentation Institut Teles

POLISH, per, Prace Przemyslowy Instytut Telekomunikacji, Vol X, No 30, 1960, pp 15-30.

*FTD-TT-62-1141

Antennas With Corrugated Guiding Surface, by S. Pogorzelski.

POLISH, per, Prace Przemyslowy Instytut Tele-komunikacji, Vol XI, No 32/33, 1961, pp 65-71.

*FTD-TT-62-1140

Radioelectronic Countermeasures in Aviation, by W. Wojciechowski, 17 pp. POLISH, per, Wojskowy Przeglad Lotniczy, No 6, 1961, pp 43-52. 9677951

FID-TT-62-785

At Millionths of a Millimeter of Mercury, by Vasile Stancu, 9 pp.

RUMANIAN, per, Stiinta si Tehnica, No 3, 1961, pp 20-21. 9665959

Scientific Engineering

THE WINDS

THE RESERVE THE PROPERTY OF THE PARTY OF THE

Flow of Fluids in Curved Conduits, by A. D. Ananyan. RUSSIAN, bh, 362 pp.

*American Geophysical Union

Turbine Stage With Long Blades, by E. A. Gukasova, et al. RUSSIAN, by, Aerodynamic Development of the Blade Apparatus of Steam and Gas Turbines, Chapter 12.

NLL 14. 3592

Active Inspection on Modernized Machine Tools, by V. G. Korcbenyikov, B. A. Sak-Shak, et al, 50 pp.
RUSSIAH, bk, Avtomatizatsiya Universal'nykh Metallorezhushchikh Stankov, 1960, pp 119-139, 146-156. 966578.

FTD-TT-62-133

Automation in USSR, by G. V. Osipov, 16 pp.
RUSSIAN, bk, Avtomatizatsiya v SSSR, Noscow, 1961, pp 7-55.

JPRS 14894

Gas-Dynamic Device, by V. M. Yeroshenko. RUSSIAN, bk, Fizicheskaya Gazodinamika i Teploobmen, Ak Nauk SSSR, Emergeticheskiy Institut, 1961, pp 51-59.

*FTD-TT-62-1133

Effect of Mechanical Processing on the Operational Properties of Gas Turbine Blades, by A. I. Isayev, M. A. Morozov, 11 pp.
RUSSIAM, bk, Issledovaniye Tekhnologi-cheskikh Protsessov v Tyazhelom Mashino

RUSSIAH, bk, Issledovaniye Tekhnologicheskikh Protsessov v Tyazhelom Kashinostroyenii Tsentral'nyy Nauchno-Issledovatel'skiy Institut Tekhnologii i lashinostroeniya, No 102, 1961, pp 45-57.

FTD-TT-62-576

Production and Assembling of Piping Arrangements.
RUSSIAN, bk, <u>Izgotovleniye i Pontazh</u>
Truboprovodov, 1960, 318 pp.

*ERDL, Ft Belvoir T-1641

Classification of Devices for Actively Controlling the Dimensions of Details on Metal Cutting Machines, by V. V. Kondashevskiy, 6 pp. RUSSIAM, bk, haladka Avtomaticheskikh Priborov Kontrolya Razmerov Detaley pri Medhanicheskoy Obrabotke: Konstruktsii Priborov i Metody Ikh Maladki, Chapter 1, 1960. 9665964

FTD-TT-62-578

Economical Effectiveness of Devices for Controlling Dimensions of Details in the Process of Grinding, by V. V. Kondashevskiy, 5 pp.
RUSSIAN, bk, Naladka Avtomaticheskikh
Priborov Kontrolya Razmerov Detaley pri
Mekhanicheskoy Obrabotke; Konstruktsii
Priborov i Netody Ikh Maladki, Chapter II,
1960. 9665964

FTD-TT-62-578

Welding Cylinders of Steam Turbines Made From Brands 20MMFL and 15MMMFL Perlite Glass Steel, by S. A. Sukach, 11 pp. RUSSIAN, bk, Nekotorye Voprosy Tekhnologii Proizvodstva Turbin Drobilko, G. A. (Editor), Leningradskiy-Dvezhdy Ordena Lenina Metallicheskiy Zavod, No 7, 1960, pp 24C-253. 9665762

FTD-TT-62-577

Welding Gas Pipelines, by A. S. Fal'kevich.
RUSSIAN, bk, Hovoye v Svarke
Gazoprovodov, 1961, pp 1-34.

*ERDL, Ft Belvoir T-1640

New Methods in Crushing of Rocks, by Ye. F. Epshteyn, E. I. Arsh, et al, 131 pp. RUSSIAH, bk, Novye Metody Razzusheniya Gornykh Porod, 1960, pp 1-57. 9665752

FTD-TT-62-122

Basic Processes and Equipment of Chemical Technology, by A. G. Kasathin.
RUSSIAN, bh, Osnovnyye Protessy i
Apparaty Mimicheshoy Technologii, 1950, pp 1-792.

ERDL, Ft Belvoir T-1450

No 5, 1961, pp 234-235.

Problems of River Runoff Control, 145 pp. OTS 61-11431 RUSSIAH, bk, Problemy Regulirovaniya PL-480 Rechnogo Stoka, Vol VI, 1956.

Thin-Walled Elastic Beams, by V. Z. Vlasov, 493 pp. OTS 61-11400 RUSSIAN, bk, Tonkostennye Uprugie PL-460 Sterzhni, 1959.

Air Cooling of Gas Turbine Rotors, by I. T. Shvets, E. P. Dyban, 371 pp. RUSSIAN, bk, Vozdushnoye Okhlazhdeniye Rotorov Gazovykh Turbin, 1959, pp 1-351. FTD MCL-1406 9677919

New, Locking Differentials, by A. Kh. Lefarov. RUSSIAN, per, Avtomobil Prom, No 12, NLL M. 3565 1960, pp 4-7.

Experimental Investigation of Deformations of Reinforced Concrete Elements Subjected to Bending for a Prolonged Period at an Early Age, by I. Ulitakiy, I. Rusinov. RUSSIAN, per, Beton i Zhelezobeton, CSIRO 3669 No 12, 1956, pp 435-440.

Critical Remarks on Power's Hypothesis, by G. G. Eremeyev. RUSSIAN, per, Beton i Zhelezoboton, ML 11. 4614

A New Explosion Chamber for Testing the Intrinsic Safety of Electrical Circuits, by V. S. Kravchenko, V. I. Serov. RUSSIAN, per, <u>Bezopasnost' Trude v</u> <u>Promyshlennosti</u>, Vol V, No 11, 1901, MLL M. 3621 pp 20, 21.

The Causes of an Accident With the [High-Pressure] Pipelines at the "Krasnogorskaya" Hydraulic Mine, by V. A. Berdyugin. RUSSIAN, per, Bezopasnost' Truda v Promyshlennosti, Vol V, No 12, 1961, pp 8-11.

MLL M. 3633

Improve the Design of Emergency Respirator SP-55M, by P. M. Solov'yev, & pp.

RUSSIAN, per, Bezopasnost' Truda v

Promyshlemosti, No 1, 1962, pp 9, 10.

JPRS 14547

Equipment for Gas-Electric Melding of Main Pipe Lines Without Supporting Mheels, by Yu. N. Marchenko, V. M. Yampol'skiy, 11 pp.
RUSSIAN, per, Byul Tekh Ekon Informatsii, No 10, 1961, pp 23-29. 9665955

FTD-TT-62-521

An Analysis of the Stressed State of Wood in the Process of Drying, by B. W. Ugolev, 18 pp.
RUGSIAN, per, Derevoobrabatyvayushchaya
Prom, Vol VI, No 4, pp 6-11, No 5,
pp 10-12, 1957. 9089766

OTS 60-51019 PL-160

Failure Due to Repeated Loading, by S. I. Ratner.
RUSSIAN, per, Dok Ak Hauk SESR, Vol CIX, No 2, 1950, pp 246-249.

MLL M. 3650

Influence of Elasticity of Supports of the Outer Ring Axis of a Gimbel Suspension on Mutational Oscillation and Drift of a Gyroscope, by S. A. Kharlamov.
RUSSIAM, per, Dok Ak Mank SSSR, Vol CXLII, No 5, 1962, pp 1054-1057.

Selected Articles From the Russian Periodical Elek Stantsii.

Vol XXXI, No 10, 1960, pp 17-22. Governing of Large Steam Turbines, by V. N. Veller.

MIL M. 4812

No 11, 1960, pp 36-40. Problems of the Effect of Mater-Turbine Governing on the Dynamic Stability of the Generator, by T. L. Zolotarev.

MLL M. 3586

No 1, 1961, pp 24-27. On the Expediency of Lanufacturing 500-M. Turbines in the Single-Shaft Design, by L. S. Popyrin. NLL M. 3591

Vol MMXII, No 3, 1961, pp 26-33. Cleaning Steam Turbine Condensers With Rubber Balls, by L. B. Zusmanovich.

MLL M. 4667

The Quenching of an Open Arc, by A. S. Maikopar.
RUSSIAN, per, Elektrichestvo, No 4, 1960, pp 64-69.

CSIRO

Increasing the Rapidity of Steam Turbine Control, by G. A. Kirakosyants. MUSSIAN, per, Energetik, No 2, 1957, pp 32-34.

MLL M. 3590

A Study of the Local Heat Transfer of a Gas-Turbine Profile, by G. S. Ambrok, 9 pp.
RUSSIAH, per, Emergonash, No 2, 1960, pp 29-31. 9665939

FTD-TT-02-454

Basic Trends in Piston Construction for Reavy Duty Righ Speed Diesels, by S. H. Doroshenko, V. V. Roulyarov. RUSSIAH, per, <u>Energonal</u>, Vol VII, Ro 4, 1961, pp. 422-44.

ML 11. 3576

The Calculation of Explosive Charges for Controlled Fragmentation of Ore in Large Scale Shotfiring, by A. V. Budko, L. I. Burtzev. RUSSIAH, per, Gornyi Zhur, No 6, 1956, pp 41-44.

CSIRO

Theoretical and Practical Problems in Breaking Rock With Blasting Explosives, by A. G. Sisin. RUSSIAM, per, Gornyi Zhur, No 6, 1956, pp 44-49.

CSIRO

Selected Articles From the Russian Periodical <u>Inzhenerno-Fiz Zhur</u>.

No 4, 1959, pp 76-86. The Hechanism of Operation of Gas Diffusion Electrodes (Applied to a Hydrogen-Oxygen Fuel Element), by I. G. Gurevich. MLL M. 4779

Vol IX, No 6, 1959, pp 112-115. The Effect of the Inaccuracies in the Nanufacture of a Symmetrical Gyroscope on Its Motion, by N. I. Rusnetsov, N. P. Khalimanovich.

*FTD-TT-62-1150

Vol IV, No 7, 1961, pp 19-24.
9665956
The Effect of Variable Heat Flow
Along the Surface of a Pipe on
Heat Transfer with Turbulent Flow,
by G. S. Ambrok, C. pp.

FTD-TT-62-300

Vol. IV, No 11, 1961, pp 29-36.
9677923
An Analytical Study of the Separated Laudeur Flow of a Two-Phase Mature in Inclined Pipes, by N. I. Semenov, A. A. Tochigin, 9 pp.

The state of the s

Finite Deformations in the Pure Bending of a Rectangular Strip, by L. A. Tolckonnikov.
RUSSIAH, per, Inchenernyi Sbornik,
Vol XII, 1955, pp 188-192.

CSIRO

On the Rational Choice of the Structure of Compensating Cross Couplings in Multichannel Automatic-Control Systems, by V. T. Morozovskiy, 23 pp. RUSSIAH, per, Iz Ak Mauk SSSR, Otdel Telm Mauk, Energet i Avtomat, No 2, 1961, pp 92-105. 9665796

FTD-TT-62-471

Heterogeneous Combustion in a System Containing Condensed Components, by M. H. Bahiman, D. P. Polikarpov, Lopp.
RUSSIAH, per, Iz Ak Hauk SSSR, Otdel Tekh Hauk, Emerget i Avtomat, No h, 1961, pp 37-42. 9665975

FTD-TT-62-709

On the Strength of Turbine Discs Under Conditions of Creep, by Yu. N. Rabotmikov.
RUSSIAN, per, Is Ak Hauk SSSR, Otdel Telm Bauk, Helm i Mash, No 4, 1959, pp 93-100.

IILL 11. 4663

A Cyroscopic Linear Accelerometer, by M. Z. Litvin-Sedoy, 13 pp. RUSSIAH, per, In Al. Hault SSSR, Otdel Tekn Hault, Mein i Hash, No 2, 1961, pp 55-00. 9665943

FTD-TT-62-406

Choice of Tolerance Zone for the Pitch Dimensions, and Determination of Rational Clearances Between the Supporting Faces of the Teeth in Inltiple-Support Root Fastenings of Hoving Turbine Blades, by Cn. G. Hustafin, B. P. Sokolov.
RUSSIAL, per, In Sibirskogo Otdel Ak Hauk SSSR, No 1, 1900, pp 41-55.

IILL 11. 3503

Factors Affecting the Process of Deformation in Cutting, by A. Rozenberg, K. Nassonov.
RUSSIAN, per, Iz Tomskogo Ordena Trudov Krasnogo Znameni Politekh Instimeni Kirova, Vol LXXXV, 1957, pp 118-131.

CSIRO 5359

An Analysis of the Operation of a Dry-Friction Damper for Reducing Shaft Vibrations During Transition Through Critical Speeds, by D. F. Pichugin.
RUSSIAN, per, Iz Vysshilh Ucheb Zaved, Aviats Tekh, No 1, 1958, pp 150-157.

MLL M. 4798

The Profile Ring With Minimum Mean Coefficient of Heat Transfer for a Given Lift, by E. V. Bulygina, et al. RUSSIAN, per, Iz Vysshilh Ucheb Zaved, Aviats Tekh, No 2, 1961.

*RAND

Some Theoretical Problems Connected With the Injection of Reducing Gases Into the Blast Furnace, by N. L. Krasavtsev.
RUSSIAN. per. Iz Vysshikh Ucheb Zave

HB 5539

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 12, 1961, pp 31-39.

An Electromechanical System of Program Control of a Telescope, by Yu. A.

Sabinin, Z. N. Mamedova, ll pp.
RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>,
Elektromekh, No 7, 1961, pp 103-108.
9665940

FTD-1T-62-476

The Temperature Field of a Discharge in an Electrical Ignition System, by M. V. Gutovskiy, 15 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Energet, No 8, 1961, pp 37-46.

Gyrostabilized Platform With a Period of Self-Fluctuation T-04.4 min, by V. A. Karakashev.
RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>, <u>Priborostroyeniye</u>, No 2, 1959, pp 67-75.

*FTD-TT-62-1157

An Approximation Method of Calculating Single-Acting Pneumatic Mechanism, by I. N. Plekhov, N. A. Kozulin, 9 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Priborostroyeniye, Vol IV, No 2, 1961, pp 52-57. 9665779

FTD-TT-62-325

A Potentiometer Servo System With Compensation of Dynamic Errors, by
A. A. Vavilov, A. A. Bezvikonnyy,
et al, 14 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Priborostroyeniye, Vol IV, No 2, 1961,
pp 58-66. 9665779

FTD-TT-62-325

Ways to Raise Least Square Method Efficiency to Minimize Systematic Errors, by A. L. Bolotin. RUSSIAH, per, <u>Iz Vysshikh Ucheb Zaved</u>, Razdel Geodez i Aerofot, No 4, 1961, pp 39-42.

*ERDL, Ft Belvoir T-1623

Calculation of the Number of Machines Per Operator, by G. Kolobrodov. RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>, Tekh Tekstil Prom, No 3, 1959, pp 11-19.

CSIRO 5365

Improvement of the Half-Mandrel Process of Tyre Building (From "Ways of Improving the Process of Building Motor Tyre Covers"), by V. A. Pinegin.
RUSSIAN, per, Kauchuk i Rezina, Vol XVI, No 2, 1957, pp 18-21.

CSIRO

Certain Problems in the Theory of Hydrostatic Radial Bearings, by N. P. Chernousov, 16 pp. RUSSIAN, per, Khim Mash, No 2, 1961, pp 17-22. 9665777

Removal of Corrosion Products From Refrigerating Brines by Centrifugation, by N. Lipatov, N. Mizeretskiy. RUSSIAN, per, Kholod Tekh, Vol XXXVI, No 3, 1959, pp 51-54.

CSIRO 4990

Experience in the Automation of a Coal Development Shop, by A. N. Bazanov, V. G. Kul'pin, 9 pp. RUSSIAN, per, Koks i Khimiya, No 11, 1961, pp 13-19.

JPRS 14559

Thermoelastic Stresses in Anisotropic Plates, by V. Indenbom. RUSSIAN, per, <u>Kristallografiya</u>, Vol I, No 5, 1956, pp 599-603.

CSIRO 3781

A New Technique for Producing Billets for Hollow Railway Axles, by A. I. Tselikov, S. P. Granovskiy, V. I. Efanov.
RUSSIAN, per, <u>Kuznechno-Shtampovochnoe</u>

Proiz, No 5, 1961, pp 4, 5.

BISI 2889

On the Determination of Work of Deformation Under Conditions of Vibrational Loading, by M. Ya. Karnov.
RUSSIAN, per, <u>Kuznechno-Shtampovochnoe</u>
Proiz, No 6, 1961, pp 21-23.

BISI 2903

Principle of Calculation of the Stresses in a Cutting Blade, (Flame Saw), by S. Voskresenskiy. RUSSIAN, per, <u>Les Zhur</u>, Vol III, No 1, 1960, pp 99-104.

CSIRO 5357

Conveyorized Furnace for Annealing of Pipe, by A. V. Skvortsov. RUSSIAN, per, <u>Lit Proiz</u>, No 6, 1960, pp 42-43.

HB 5187

The Present and Future of Accelerator Technology, by M. S. Rabinovich, 21 pp. RUSSIAN, per, Nauka 1 Zhizn', No 5, 1960, pp 17-23. 9665956

g g

Solar Batteries, by M. S. Sominskiy, 17 pp.
RUSSIAN, per, Nauka i Zhizn', No 4, 1961, pp 37-41. 9665795

FTD-TT-62-200

Durability of Dinas Brick and Its Variation on Heating up to 1600°, by I. S. Kainarskiy, M. D. Schleglova. RUSSIAN, per, Ogneupory, Vol XXI, 1956, pp 193-202.

CSIRO

Scientific Deviator and Non-Adherents, by G. Petrov.
RUSSIAN, np, Pravda, 23 May 1962, p 4.

*FTD-TT-62-1120

Stress Concentration in the Neighbourhood of an Opening on the Surface of a Circular Cylinder, by A. I. Lur'ye. RUSSIAN, per, Prik Matemat i Mekh, Vol X, No 3, 1946, pp 397-405.

NLL M. 4813

Gyroscopic Servomechanical Systems With Presence of Multi-Dimensional Accidental Noises, by L. Ya. Roytenberg.
RUSSIAN, per, Prik Matemat 1 Mekh, Vol XXVI, No 2, 1962, pp 247-258.

*FTD-TT-62-1116

On the Motion of a Gyroscope Mounted on Ball Bearings in a Gimbel Suspension, by S. A. Kharlamov. RUSSIAN, per, <u>Prik Matemat i Mekh</u>, Vol XXVI, No 2, 1962, pp 365-369.

*FTD-TT-62-1116

Ultramicrotome UMD-5, by M. I. Dashevskiy. RUSSIAN, per, Priroda, Vol LI, No 5, 1961, pp 104-107.

#UBDA

Oil Moisture Separator for Compressed Air, by D. I. Rubanovich. RUSSIAN, per, <u>Prom Energet</u>, Vol XVI, No 6, 1961, pp 30-33.

ERDL, Ft Belvoir T-1584

Induced Polarization Well-Logging (Electrolytic Well-Logging), by V. Dakhnov.
RUSSIAN, per, Prom Geofizika, 1952, pp 46-82.

CSIRO 5322

Small Size Hermetically Sealed Batteries, 7 pp. RUSSIAN, per, Radio, Oct 1961, pp 59-61. 9665971

FTD-TT-62-357

An Experimental Study of Free Damped Oscillations in a Balance Wheel-Hairspring System, by Z. M. Aksel'rod. RUSSIAN, per, Sbornik Statei Leningrad in-ta Tochnoi Mekh i Optiki, No 17, 1955, pp 64-74.

RAE LIB Tr No 987

Roll Forces and Power Characteristics in Blooming Mills, by T. M. Golabev, et al.
RUSSIAN, per, Stal', No 2, 1957, pp 141-146.

CSIRO

Liquid Slag Removal From Soaking Pits, by Stukalov, et al.
RUSSIAN, per, Stal', Vol XVII, No 2, 1957, pp 169-173.

CSIRO

Selected Articles From the Russian Periodical <u>Tekstil Prom</u>.

Vol XVI, 1956. New Method of Distributing the Size on the Width of the Warp, by V. M. Rybakova, (pp 27-29). CSIRO

Trends in the Development of Cotton Combing Techniques, by A. N. Vanchikov, (pp 31-34).

The second second

Selected Articles From the Russian Periodical Tekstil Prom. (Contd)

Vol XVIII, No 4, 1958, pp 13-17. Deformation of Wool Fibres During the Spinning Process, by A. Dudnik.

CSIRO 4151

Vol XXI, No 6, 1961. The Use of Homogenizers in Sizing, by I. V. Bykova, (pp 45-47).

NIL M. 3612

A New Method of Forming the Selvedge on Shuttleless Looms, by A. S. Manukhin, (pp 48-50).

NLL M. 3561

Selected Articles From the Russian Periodical Teploenergetika.

No 1, 1956, pp 16-21.

New Tables of the Basic Values of Specific Volume, Specific Heat, and Enthalpy of Water and Steam at High Pressure, by V. A. Kirillin, et al.

NLL RTS 2056

No 1, 1957, pp 3-8. Control System of a New Series of Medium-Capacity Turbines, by M. G. Berenshtein, et al. NLL M. 3587

No 4, 1957, pp 10-16. New Hydraulic Schemes for the Control of District-Heating Turbines, by I. I. Gal'perin.

NLL M. 3588

No 9, 1957, pp 7-12.

The Use of Acclerators in Steam
Turbine Control Systems, by V. N.
Veller.

NLL M. 3589

No 1, 1960. The Thermodynamic Principles of the Construction of Entropy Diagrams for Steam-Gas Mixtures, by G. A. Mikhailovskiy, (pp 69-75).

NLL RTS 2038

Selected Articles From the Russian Periodical Teploenergetika. (Contd)

No 2, 1960, pp 3-11. Some Design Solutions for Important Sections of High Powered Turbine Installations With Super-Critical Steam Parameters, by L. A. Shubenko-Shubin. NLL M. 3571

No 4, 1961. Effect of Pitch and Angle of Guide Blades on the Operation of a Turbine Stage, by A. M. Zavodovskiy, (pp 28-30).

NLL M. 3584

Effect of the Guide Blade Chord on the Characteristics of a Turbine Stage, by M. F. Fedorov, A. V. Garkusha, (pp 37-41).

NLL M. 3597

No 7, 1961, pp 24-29. The Use of Double Tube Sheets in Steam Turbine Condensers, by L. D. Berman, et al. NLL M. 3619

No 8, 1961. Investigation of Low Frequency Pulsations in Gas Turbine Combustion Chambers, by O. V. Dubrovskiy, (pp 32-37).

NLL M. 3617

Roughness of Steam Superheating Pipes, Made of Alloy Steels, by V. A. Lokshin, G. I. Moseyev, (pp 48-49).

NLL M. 3573

Selected Articles From the Russian Periodical Teploenergetika. (Contd)

No 9, 1961. Design of Turbine Stages With Long Blades and Variable Profile, by M. E. Deich, G. A. Filippov, (pp 60-65).

NLL M. 3574

The Calculation of Temperature Fields in a Gas Turbine Disc Cooled Via Assembly Gaps in the Tail Joints of the Blades, by Ye. I. Molchanov, 8 pp, (pp 65-68). 9677924

FTD-TT-62-794

No 11, 1961, pp 27-29. 9677927 The Results of Performance Tests of Fire-Resistant "Ivviol' 1A" Turbine Oil, by K. I. Ivanov, Ye. D. Vilyanskaya, et al, 8 pp.

FTD-TT-62-715

No 12, 1961. 9665937 A Turbine Stage Having Guide Channels With Flat Walls, by I. I. Kirillov, A. A. Tereshkov, 16 pp, (pp 45-51).

FTD-TT-62-665

The Design of a Stage With Conial Restricting Surfaces, by A. M. Topunov, 13 pp, (pp 55-59).

FTD-TT-62-736

No 1, 1962, pp 28-31. 9677945 The Determination of the Optimum Value of the Upper Overlapping of a Bandaged Turbine Stage, by M. Ye. Deych, A. G. Sheynkman, 12 pp.

*FTD-TT-62-1175

No 2, 1962, pp 77-79. An Investigation of the Process of Convective Heat Transfer in Tortuous Slotted Ducts, by L. M. Kovalenko.

Noise and Vibration of Engines on Tractors, by V. U. Vakhtel. RUSSIAN, per, <u>Traktory i Sel'khoz</u>, No 8, 1961, pp 5-8.

NLL M. 4864

Selected Articles From the Russian Periodical <u>Trudy Inst Komiteta</u> Standartov.

Vol XLVI, No 106, 1960. Investigations of Piston Pressure Gauges, by M. K. Zhokhovskiy, (pp 5-29).

NLL RTS 1986

Corrections of Piston Pressure Gauges Recessitated by the Influence of High Pressure, by M. K. Zhokhovskiy, (pp 30-42).

NLL RTS 1987

Experimental Investigation of the Errors of Pressure Balances Caused by Distortions, by V. N. Samoilov, (pp 43-54).

NLL RTS 1988

A Hydrostatic Method for Measuring Liquid Densities at Pressures up to 5,000 kg/cm, by V. N. Razumikhin, (pp 96-106).

NLL RTS 1993

Instrument for Detection of Carbon Dioxide in Atmospheric Air, by S. V. Lyutsarev. RUSSIAN, per, Trudy Inst Okeanologii, Ak Nauk SSSR, Vol XLVII, 1961, pp 199-200.

*FTD-7T-62-1190

Effect of Transverse Vibrations of a Turbine Disc on Blade Vibrations, by S. I. Bogomolov.
RUSSIAN, per, Trudy Kharkovsk Politekh Instimeni V. I. Lenina Ser Inzh-Fiz, Vol XIV, No 2, 1958, pp 23-41.

NLL M. 3579

Principal Means of Prolonging the Life of Agricultural (Ceramic) Drains, by V. Shileika.
RUSSIAN, per, Trudy Konferentsii po Meliorat i Osvoeniyu Bolotrikh i Zabolochennykh Pochv, 1956, pp 115-120.

CSIRO 4117

An Experiment to Calculate Tidal Phenomena by Means of the "Ural-1" Digital Computer, by I. D. Tsiklauri, L. I. Boris.
RUSSIAN, per, Trudy Leningrad Gidromet Inst, Vol X, No 1, 1961, pp 157-172.

NLL RTS 2070

Some Problems of Rigid Body Dynamics, by A. I. Lur'ye.
RUSSIAN, per, Trudy Leningrad Politikh
Inst, No 210, 1960, pp 7-22.

*FTD-TT-62-1152

Improvement of Certain Operational Characteristics of Silver-Zinc Storage Batteries, by V. V. Romanov, 8 pp. RUSSIAN, per, Vest Elektroprom, No 9, 1960, pp 26-29. 9665768

FTD-TT-61-272

A Nonsteady-State Boundary-Value Problem of the Hydrodynamics of a Viscous Incompressible Fluid, by O. V. Guseva, 18 pp.
RUSSIAN, per, Vest Leningrad Univ, Ser
Matemat Mekh i Astron, No 4, 1961, pp 122-137.

FTD-TT-62-710

The Vibrational Treatment of Metals by Pressure, by B. L. Vasil'yev. RUSSIAN, per, Vest Mash, No 1, 1962, pp 61, 62.

BISI 2901

A Device for Determining the Rate of Motion of an Optical Image in Slit-Shutter and Vertical-Surveying Aerial Cameras, by V. P. Stel'makh, 5 pp. RUSSIAN, Patent No 132,954, 30 Jan 1960. 9665793

FTD-TT-62-482

A Centrifugal Atomizer for Liquid and Colloid Solid Fuels, by Gerhard Gutter, 3 pp.
RUSSIAN, Patent No 134,641 (620929/25).
9665941

FTD-TT-62-483

٠, .

A Rotary Coupling for a Millimeter-Wave R-F Channel, by E. M. Guttsayt, 3 pp. RUSSIAN, Patent No 138,278 (642919/40), 3 Nov 1959. 9665950

FTD-TT-62-648

A Device for Identifying Numbers by Their Modules, by I. N. Bukreyev, V. V. Chavchanidze, et al. RUSSIAN, Patent No 139,150, Appl No. 660616/26, 29 Mar 1960, p 55.

*FTD-TT-62-1123

Sorption-Condensation-Ionic Ultrahigh-Vacuum Pump, by Ye. N. Martinson, et al, 4 pp.
RUSSIAN, Patent No 140,123, 1960, pp 1-2.
9665803

FTD-TT-62-526

A Device for Automatic Control of the Concentration of Atomized Powdered Material, by M. I. Abdrakhmanov, G. S. Baturov, et al, 4 pp.
RUSSIAN, Patent No 140,262 (67523/31), 1 Aug 1960. 9677959

FTD-TT-62-757

A Method for Automatic Optimization of Automatic-Control Systems and a Device For Its Realization, by S. A. Doganovskiy, 5 pp. RUSSIAN, Prient No 141,682 (690269/26), 22 Dec 1960. 9677949

FTD-TT-62-760

A Radiotelescope With an Automatically Adjusted Reflected Surface, by A. G. Sokolov.
RUSSIAN, Patent No 142,702, App No. 671627/26, 27 Jun 1960, p 38.

*FTD-TT-62-1121

A Superheterodyne Measuring Receiver, by V. S. Ablyazov. RUSSIAN, Patent No 142,706, Appl No 671331/26 of 27 Jun 1960, p 38.

*FTD-TT-62-1124

A Magnetic Drive, by O. A. Motovilov, S. N. Dekha. RUSSIAN, Patent No 143,099, Appl No 720432/25, 6 Mar 1961.

*FTD-TT-62-1143

Decoder, by D. A. Novik. RUSSIAN, Patent No 144,140, Appl No 594836/26 of 15 Mar 1958, p 30.

*FTD-TT-62-1122

Magnetic Recorder Drive and Guide, by S. A. Charleroi, 5 pp. BELGIAN, Pacent No 532,316.

Patent Office

Temperature Dependence of Scintillation Detectors, by Jiri Skrivanek, Marie Vesela, 5 pp.
CZECH, per, Ceskoslov Casopis pro Fysiku, Vol X, 1960, pp 312-315.

AEC Tr-5120

An Arrangement for Automatic Control of the Movement of Components of the Cutting Machines Working in Stages, Especially Drills, by A. Muller, H. Faust. CZECH, Patent No 87,996, Dec 1958.

CSIRO

Process and Feed Mechanism for Machine for Production of Lath Reinforced Roll Roofing, by Carl Paul Lindblom, 6 pp. DANISH, Patent No 71,630.

Patent Office

Request for a Patent for a Laboratory Evaporator at a Constant Level, Using the Surface Tension of the Liquid to be Evaporated, by E. de Robien, 7 pp. FRENCH, rpt, Note-INT/SPR/62-298, 13 Apr 1962. 9089527

AEC UCRL Tr-846

The Conventional Character of Proof Stress in Hard Steels for Prestressing, by J. Simon, P. Xercavins. FRENCH, rpt, International Congress on Prestressed Concrete, Ghent, 1961, Paper B.28.

BISI 2853

New Contributions to the Physics of Electro-Erosion. Application to High Power Electro-Erosive Machines, by M. Bruma. FRENCH, per, Bulletin de la Societe Francaise des Electriciens, Vol I, Series 8, Dec 1960, pp 840-847.

BISI 2821

Electro-Cast Refractory Products, by P. Bortaud. FRENCH, per, Centre de Documentation Siderurgique Circulaires d'Informations Techniques, No 3, 1961, pp 757-778.

BISI 2707

Conversion of the Bessemer Charge by the Old Process, by B. Trentini. FRENCH, per, Centre de Documentation Siderurgique Circulaires d'Informations Techniques, Vol XIX, Feb 1962, pp 401-404.

BISI 2847

The Old Plant at Denain (USINOR), by J. Francais.
FRENCH, per, Centre de Documentation Siderurgique Circulaires d'Informations Techniques, Vol XIX, Feb. 1962, pp 405-411.

BISI 2848

Study of Girders With Skew Web. Application to Springer Beams of Conoids, by L. Hahn. FRENCH, per, Genie Civil, 1946, pp 327-329.

CSIRO

Behaviour of PVC and Polythene Pipes Under Pressure, by M. Juillard, J. Crespy. FRENCH, per, Industrie des Plastiques Modernes, 1958, pp 38-40, 43.

CSIRO

Correction of Irregularities of Rovings in Spinning, by P. Montel. FRENCH, per, L'Industrie Textile, No 867, 1959, pp 183-186.

Dimensional Tolerances and Machining Allowances for Steel Castings. FRENCH, per, Journal d'Informations Techniques des Industries de la Fonderie, Mar 1962, pp 11-21.

*BISI 2896

Analytical Study of the Directional Stability of Motor Vehicles, by M. A. Julien, et al. FRENCH, per, Journal Soc de Ingenieure de l'Automobile, Vol XXVIII, No 4, 1955, pp 187-192.

CSIRO

Welding Chrome-Molybdenum Steels Resistant to Heat and With High Cold Strength, by E. Pouillard. FRENCH, per, Metaux Corrosion-Indusries, Vol XXXIV, Feb 1959, pp 58-71.

BISI 2783

Contribution to the Knowledge of the Phenomena Produced During the Annealing of Cold Rolled Mile Steel for Deep-Drawing, by G. Odone, V. Berruti. FRENCH, per, Revue de Metallurgie, Vol LVIII, Feb 1961, pp 165-176.

BISI 2719

Special Beveled Rubber Sole Tread, by Georges Schneider, 3 pp. FRENCH, Patent No 453,323.

Patent Office

Rapidly Closing and Opening Buckle for Parachute Harnesses, by Roger Galli, Georges-Raoul Briquet, 3 pp. FRENCH, Patent No 626,294

Patent Office

Cartridge Case, by Fernand Laborey, Lucien Hebert, 6 pp. FRENCH, Patent No 919,583.

Patent Office

Improvement in Shotgun Cartridges, 4 pp. FRENCH, Patent No 973,692.

Patent Office

Improvements in Combustion Devices, 14 pp. FRENCH, Patent No 1,085,458.

Patent Office

Texture and Loss Problems in Silicon Iron, by D. Ganz.
GERMAN, rpt, Arbeitsgemeinschaft Ferromagnetismus Berichte, pp 59-65.

BISI 2532

Operating Instructions Pamphlet.
Rotating Coil Indicators to be Connected
With: Thermo-Couples, Pyrradio, Gas
Analyzers, Humidity Suppliers With
Thermobattery, pH Electrodes, and
Measuring Value Transformers, 6 pp.
GERMAN, bk, Gebrauchs-anweisung:
Drehspul-Anzeigeinstrumente zum Anschluss an: Thermoelemente, Pyrradio,
Gasanalysatoren, Feuchtegeber mit Thermo-Batterie, pH-Elektroden, Messwertumformer, 1960.

AEC SCL-T-419

Elastic-Plastic Deformation of Plastic Bodies, by C. Deplus, 13 pp. GERMAN, rpt, International Ceramic Congress, 6th Wiesbaden, 1959, pp 261-267.

Natl Bur of Standards

Vacuum Heating Stage 1750° Operating Instructions Manual, 23 pp. GERMAN, bk, Vakuum-Heiztisch 1750°, 1961.

AEC SCL-T-418

Current Delivery Specifications and Drawings for Explosives (Demolitions and Smoke Charges), by Faber. GERMAN, bk, Vorlauefige Technische Lieferbedingung fuer Sprengkoerper, 9 pp.

ERDL, Ft Belvoir T-1070

Recent Problems in Pneumatic Installations From the Technological Viewpoint, by K. Shuster, H. Kieninger. GERMAN, per, Bauwelt, Vol XCVIII, No 37, 1958, pp 685-687.

CSIRO

A New Stage in the Development of Continuous Casting, by H. S. Boychenko, G. M. Itskovich, W. S. Rutes, et al. GERMAN, per, Berg-Huttenmannische Monatshefte, Vol CVII, Apr 1962, pp 118-127.

*BISI 2121

Continuous Casting of Small Sections, by F. Schmidt.
GERMAN, per, Berg-Huttenmannische
Monatshefte, Vol CVII, Apr 1962,
pp 173-182.

*BISI 2923

Thermoelectric Recording of the Rate of Transpiration Flow I, by H. Vieweg, H. Ziegler.
GERMAN, per, Berichte der Deutschen
Botanischen Gesellschaft, Vol LXXIII,
No 6, 1960, pp 221-226.

CSIRO 5384

Equipment for Grading and Stacking of Thick and Medium Plates, by W. Becker. GERMAN, per, Blech, Vol VIII, No 7, 1961, pp 494-497.

BISI 2879

Design in Tubular Steel and Rectangular Hollow Section, by W. Jamm. GERMAN, per, Blech, Supplement Rohre und Profile, Jan 1962.

*BISI 2920

Selected Articles From the German Periodical Chemie-Ingenieur-Technik.

Vol XXX, No 5, 1958, pp 337-340. Tantalum as a Material of Construction for Chemical Plant, by H. Meyll, H. Speidel.

CSIRO

Vol XXXI, No 7, 1959, pp 425-431. Automatic Control of Distillation Columns, by G. Bogenstatter, Hengst.

CSIRO

Vol XXXI, 1959, pp 511-516. Development of a Bursting Disc With a More Accurate Response, by J. Nitschke.

Selected Articles From the German Periodical Chemie-Ingenieur-Technik. (Contd)

Vol XXXII, 1960. Rolled Venetian Blind Impeller With Changing Incidence, a New Impeller for Blowers and Pumps, by B. Eck, (pp 94-96).

CSIRO

The Fluidising Impact Process for the Drying of Loose Granular Material, by L. Belik, (pp 253-255).

*BISI 2927

Analysis of the Operation of the Fancy on a Woolen Card, by E. Boroczy. GERMAN, per, Faserforschung und Textiltechnik, Vol XI, No 10, 1960, pp 481-487.

CSIRO 5364

The Dirt-Removal Ability of the Various Layers of the 0.2 My Candle-Shaped Filter Element, by R. Sinha, 10 pp. GERMAN, per, Faudi Feinbau, Vol II, No 10, 1961, pp 1-6. 9665799

FTD-TT-62-535

Heat Control in Heated Greenhouses From the Ecological Standpoint, by J. Seeman. GERMAN, per, Gartenbauwissenschaft, Vol III, No 21, 1956, pp 102-128.

CSIRO

Glass Threads and Glass Fibres, by G. Frikell.
GERMAN, per, Glas-Email-Keramo-Technik, Vol VIII, No 5, 1957, pp 160-168.

CSIRO

New Refractory Materials, by F. Reinhart. GERMAN, per, Glas-Email-Keramo-Technik, Vol IX, No 9, 1958, pp 327-329.

And the frequencies of the property of

On the Practical Vibration and Strength Experiments With Railroad Vehicles, by E. Sperling, C. Betzhold. GERMAN, per, Glasers Annalen, Aug 1958, pp 266-275.

*AEC

The Carrying-Capacity of Rock Layers Serving as a Buttress for Mine-Supporters, by H. Jahns. GERMAN, per, Gluckauf, Vol CXIV, No 41/42, 1958, pp 1479-1495.

CSIRO

An Instrument for Determining the Flame Resistance of Wall Panels, by O. Brauns. GERMAN, per, Holz Als Roh- und Werkstoff, Vol XIV, No 7, 1956, pr 271-277.

CSIRO

The Fine Structure of Hardwood Pits, by W. Liese. GERMAN, per, Holz Als Roh- und Werkstoff, Vol XV, No 11, 1957, pp 449-453.

CSIRO 3926

Cutting Forces and Material Mechanics, by H. Hucks. GERMAN, per, <u>Industrie-Anzeiger</u>, Vol LXXVII, No 27, 1955, pp 365-370.

CSIRO 4098

The Practice of Copy Milling - Part 2, by J. Goldsche.
GERMAN, per, Das Industrieblatt, Vol LX, No 4, 1960, pp 236-245.

RAE Lib Tr No 992A

Contribution to the Calculation of Hyperbolic Paraboloid Shells, by K. G. Tester.
GERMAN, per, Ingenieur-Archiv, Vol XVI, 1947, pp 39-44.

CSIRO

Electron, Electronic and Pneumatic Proportional Control of Cooling and Air-Conditioning Systems, by H. Kohler. GERMAN, per, <u>Kalte</u>, Vol XII, No 3, 1959, pp 128-135.

On Structure of Cellulose Fibres, by H. Ruska. GERMAN, per, Kolloid-Z, Vol XCII, No 40, pp 276-285.

CSIRO

New Results and Investigations on the Fatigue Strength of Bolted Joints, by H. Wiegand, K. H. Illgner, G. Junker. GERMAN, per, Konstruktion, Vol XIII, 1961, pp 461-467.

*BISI 2925

Synthetic Resins for Plastics Reinforced by Glass Fibre, by H. Sauer. GERMAN, per, Kunststoffe, Vol XLVIII, No 5, 1958, pp 205-212.

CSIRO

Electrical Determination of Soil Compacting Under Agricultural Machinery, by H. Jager.
GERMAN, per, Landtechnische Forschung, Vol VII, No 6, 1957, pp 168-172.

CSIRO 3931

Selected Articles From the German Periodical Melliand Textilberichte.

Vol XXXVII, 1956, pp 1258-1260. Combine-Spinning Process, by J. Meimberg.

CSIRO

Vol XXXVIII, No 4, 1957. Investigations of the Shrinkage of Wool Fabrics on the Hoffmann Press, by C. Sustmann, (pp 452-456).

CSIRO 4088

Forces Involved in Drawing of Silvers, by F. Maag, (pp 738-792).

CSIRO

Vol XXXVIII, No 12, 1957, pp 1411-1416. Determination of the Moisture Content of Textile by the Karl Fischer Process, by A. Agster, M. Wandel.

Selection of Tool Steels for Hot Working, by Klarding. GERMAN, per, Metall, Vol XII, 1958, pp 12-20.

CSIRO

Required Qualities of Butter Wrapping Foils, by Schulz, G. Sydow. GERMAN, per, Milchwissenschaft, No 2, 1954, pp 219-225.

CSIRO

Determination of the True Stress in Metals in the Compression Test, by E. Siebel, A. Pomp.
GERMAN, per, Mitteilungen aus Dem Kaiser Wilhelm Institut fur Eisenforschung, Vol IX, 1947, pp 157-171.

BISI 2878

Endurance Limit (Fatigue Strength) of Screws, etc., by W. Staedel. GERMAN, per, Mittellungen der Material-prufungsanstalt an der Technischen Hochschule Darmstadt, No 4, 1933, pp 1-102, Excerpts: pp. Preface - III & IV. 1-18, 23-41, 76, 84-91, 93-100.

*AEC

Fuel Tolerance of the Air Cooled MWM Single-Cylinder Diesel Engine AKD 312 With Constant-Pressure Precombustion Chamber, by K. Kollmann.
GERMAN, per, Motortechnische Z Vol XVII, No 8, 1956, pp 259-264.

CSIRO

Fuel Injection and Combustion in the Swirl Chamber of a Diesel Engine, by F. Nagao, H. Kakimoto.
GERMAN, per, Motortechnische Z, 1959, pp 303-305.

CSIRO

For and Against Common Control, A Parting of the Ways of Automatic Exchange Engineering, by M. Hebel.
GERMAN, per, Nachrichtentechnische Z, 1959.

Profile Development in Blast Furnaces Due to Wear of Fireclay and Carbon Linings, by J. Holzhey.
GERMAN, per, Neue Hutte, Vol VI, Sep 1961, pp 553-557.

BISI 2708

X-Ray Flash Photography in the Examination of the Detonation Transmission of Safety Mining Explosives, by H. Ahrens, E. Eitz.

GERMAN, per, Nobel Hefte, Vol XXIV, No 5/6, 1958, pp 244-297.

CSIRO

New Regulations for Texting Mining Explosives, by D. H. Schultze-Rhonhof. GERMAN, per, Nobel Hefte, Vol XXV, 1959, pp 101-102, 102-110.

CSIRO

Construction and Operation of a 200-Ton Open Hearth Furnace of the Maerz-Buelens Type, by M. Takamuka, S. Tsuda, S. Tamamoto.

GERMAN, per, Radex Rundschau, No 3, Jun 1962, pp 123-132.

BISI 2864

Flame Straightening in Shipbuilding, by G. Peter, 5 pp. GERMAN, per, Schiffbautechnik, No 11, Jun 1961.

Maritime Admin
Div of Office Services

The Determination of the Displacement of Dry Cargo Freighters in the Early Design State, by Eric Danckwarat. GERMAN, per, Schiffbautechnik, No. 11, 1961, pp 548-555.

*RAND

Elastic Transverse Vibrations of the Ship's Hull, by O. Grimm.
GERMAN, per, Schiffstechnik, Vol VII, No 35, 1960, pp 1-3.

CSIRO

Controls for Alternating Current Cargo Winches, by W. Harders, 5 pp. GERMAN, per, Schiff und Hafen, No 9, 1961.

Maritime Admin Div of Office Services

Locking of Bolted Joints by Conservation Pre-Tension (Pre-Stressing), by G. Junker.
GERMAN, per, Schrauben, Muttern,
Formteile, Vol XLVII, 1961, pp 936-943.

*BISI 2942

Research on Soft Soldered Joints, by H. Koch, W. Wasserbach. GERMAN, per, Schweissen und Schneiden, Vol XII, 1960, pp 2-10.

*AEC

Strain Patterns on Welded Junctions
Between Flat Bars and Angle Irons as
Load Carrying Members, by D. Spangenberg.
GERMAN, per, Schweissen und Schneiden,
Vol XIV, No 1, 1962, pp 14-23.

BISI 2695

Bending Stress on Wires in Cable Railways in the Sector of Applied Load, by T. Wyss.
GERMAN, per, Schweizerische Bauzeitung, Vol LXVII, No 38, 1949, pp 525-531.

CSIRO

High Pressure, High Temperature Turbines, by K. Schultes.
GERMAN, per, Siemens Zeitschrift, Vol XXX, No 5-7, 1956, pp 248-261.

CSIRO

Ceramic Bodies With Low Coefficients of Expansion, by F. Singer, S. S. Singer. GERMAN, per, Sprechsaal, 1956, pp 399-403.

CSIRO

Selected Articles From the German Periodical Stahl und Eisen.

Vol XXIII, No 74, 1954, pp 1456-1464. New Large-Size Blast Furnace of the Westfalenhutte Dortmund AG, by W. Wolf, F. Heppner, et al.

CSIRO

Vol LXIX, No 18, 1959, pp 605-609. Damage to Tooth Faces and the Load Capacity of Rolling Mill Gears, by M. Unterberger.

Selected Articles From the German Periodical Stahl und Eisen. (Contd)

Vol LXXXI, No 17, Aug 1961, pp 1101-1107.
Gas Flow Through the Charge in the Upper Part of the Blast Furnace Stack, by E. Peetz, G. Winzer.

BISI 2640

BISI 2641

Vol LXXXI, 14 Sep 1961, pp 1270-1274. Warming Up of Basic Converters After Relining and After Bottom Replacement by the Bottom-Burner Method, by A. Latour, L. Heinen.

Vol LXXXI, 23 Nov 1961, pp 1565-1574. Fundamental Relations Between Gas Utilisation, Consumption of Carbon and Heat Balance in the Blast Furnace, by E. Schurmann, D. Bulter.

BISI 2679

Vol LXXXII, No 1, 1962, pp 11-18. Comparative Evaluation of Hydrogen Carriers Injected Into the Blast-Furnace Hearth, Part II, by L. von Bogdandy, W. Schaefers.

HB 5467

Study of Tracs as the Basis for Determination of Construction Elements in Road Building, by E. Oehm, H. Schreiner. GERMAN, per, Strasse und Autobahn, Vol VII, No 11, 1956, pp 388-393.

CSIRO

Results of Vibration Measurements on Paving Stone, Concrete and Bituminous Road Surfaces, by L. Bendel. GERMAN, per, Strasse und Verkehr, Vol XLIV, No 9, 1958, pp 398-405.

CSIRO

Interaction of Abrasive Forces in Dry Rolling Wear on Industrial Floors and Roads, by R. Zollinger.
GERMAN, per, Strassen und Tiefbau, No 11, 1957, pp 658-661.

The state of the s

State of Development in the Field of High Temperature Materials, by G. Rassmann, A. Merz. 24 pp. GERMAN, per, Die Technik, Vol XVII, No 1, 1962, pp 17-23. 9677950

FTD-TT-62-503

State of Development in the Field of High Temperature Materials, by G. Rassmann, A. Merz, 22 pp. GERMAN, per, Die Technik, Vol XVII, No 2, 1962, pp 74-79. 9677950

FTD-TT-62-503

Saw-Tooth Clothing for Cotton Cards. GERMAN, per, Tex, Vol IV, 1956, pp 492-498.

CSIRO

Investigations Into the Creasing Properties of Textile Fabrics, by B. Sziraki.
GERMAN, per, Textil- und Faserstoff-technik, Vol VI, No 12, 1956, pp 533-538.

CSIRO 4118

Selected Articles From the German Periodical Textil-Praxis.

Vol XIX, No 11, 1955, pp 1089-1092. Method of Determining the Drawing Behaviour of Carded Slubbing, by E. Boroczy.

CSIRO 5487

Vol XII, No 12, 1957, pp 1198-1200. Dangers of High Drafting, by R. Schon.

CSIRO

Vol XIV, 1959. The Use of Floxan for Blankets, by W. Bandel, L. Heinig, (pp 15-22). CSIRO

The Effect of Twist and of the Number of Single Ends on the Properties of Folded Yarns, by A. N. Solovyev, (pp 661-668).

Vol XV, 1960, pp 410-416. Spun-Dyed Viscose Staple, by P. Weber. CS I RO

Influence of Speed on the Friction Between Filaments and Solid Bodies, by E. Honegger.
GERMAN, per, Textil-Rundschau, Vol XII, No 10, 1957, pp 551-560.

CSIRO 3832

Influence of Mineral Compositon on the Grinding Resistance of Cement Clinker, by Gunther Ackmann, Fritz Keil. GERMAN, per, Tonindustrie Z, Vol LXXXI, 1957, pp 1-5.

CSIRO

Investigations on the Binder of Sand Lime Bricks, by K. Buchler. GERMAN, per, Tonindustrie Z, Vol LXXXIII, No 16, 1959, pp 377-387.

CSIRO 5013

Adjustable Load Characteristics in Rectifier Fed Drives of Cold Rolling Mills With Several Sets of Equipment, by J. Lenze, et al.

GERMAN, per, Verein Deutscher Elektrotechniker-Fachberichte, Vol XXI, No 1, 1960, pp 107-114.

*BISI 2948

Prestressed Bolts in Steel Construction, by O. Steinhards. GERMAN, per, Verein Deutscher Ingenieure Z, Vol XCVII, No 21, 1955, pp 701-708.

CSIRO

Fine Vacuum Pumps According to the Roots Principle, by H. G. Noller, R. Thees.
GERMAN, per, Verein Deutscher Ingenieure Z, Vol XCIX, 1957, pp 613-619.

CSIRO

A New Method of Measuring Very Small Speeds, by M. Koril. GERMAN, per, Verein Deutscher Ingenieure Z, Vol CII, 1 Feb 1962, pp 117-119.

*BISI 2941

Contribution to the Scaling Behaviour of Boiler Steels, by A. Rahmel. GERMAN, per, Vereinigung der Gross-kesselbesitzer Mitteilungen, Oct 1961, pp 319-332.

BISI 2692

ENERGY CONTROL OF MEDICAL PROPERTY.

Tanker Explosions - Tanker Routine, by Egil Abrahamsen, 8 pp. GERMAN, per, Veritas, No 27, Apr 1962.

Maritime Admin
Div of Office Services

Determination of Force Needed in Cold Flow Forming for the Correct Choice of Mechanical Presses, by H. Makelt. GERMAN, per, Werkstattstechnik, Vol LII, Apr 1962, pp 167-172.

*BISI 2915

Admissible Stresses in Shafts in Mechanical Engineering, by R. Hanchen. GERMAN, per, Werkstatt und Betrieb, Vol XC, No 5, 1957, pp 317-321.

CSIRO

Upgrading of Printing Papers Containing Ground Wood With the Help of a Size Press, by H. Wilfinger.
GERMAN, per, Wochenblatt fur Papier-fabrikation, Vol LXXXV, No 18, 1957, pp 695-704.

CSIRO

Tooth-Thickness Measuring Instrument With Optical Reading and Its Application, by E. Hultzsch.
GERMAN, per, Zeiss VebCarl, Jena Nachrichten, No 2/3, 1956, pp 148-190.

CSIRO 4023

Five-Dial, Low Resistance Potentiometer, Free From Thermal Electromotive Force, by H. Diesselhorst.
GERMAN, per, Z fuer Instrumentenkunde, Vol XXXVIII, No 1, 1908, pp 1-13.

CSIRO 3852

The Bruning of Gypsum for Flooring, Plastering and Building Purposes in the Rotary Kiln, by R. Zollinger. GERMAN, per, Zement-Kalk-Gips, Vol IX, 1956, pp 319-328.

CSIRO

Discharge Mechanisms for Shaft Kilns, by C. Schoneck. GERMAN, per, Zement-Kalk-Gips, No 8, 1958, pp 345-357.

Automatic Central Grease Lubrication in the Cement Industry, by G. Schmerson. GERMAN, per, Zement-Kalk-Gips, Vol XIII, No 6, 1960, pp 274-278.

CSIRO

A Continuous Centrifuge, by P. Nebel. GERMAN, per, Zucker, Vol V, 1957, pp 99-101.

CSIRO 4091

Testing of Soft Elastic Foamed Materials, Determination of Compression Set. GERMAN, Specification DIN 53,572, Jan 1957.

CSIRO

Blank Cartridge, by Friedrich Behrens, 4 pp. GERMAN, Patent No 91,591.

Patent Office Sci Lib

Expansible Finger Ring, by Hippolyte Bathilde, 3 pp. GERMAN, Patent No 188,872 - Corresponding French Patent No 369,351.

Patent Office Sci Lib

Thread Cutting and Thread Clamping Device for Special Sewing Machines, by Peter Graben, Heinrich Vehmeier, 6 pp. GERMAN, Patent No 310,510.

Patent Office Sci Lib

Thread Cutting and Thread Clamping Device for Special Sewing Machines, by Peter Graben, Heinrich Vehmeier, 3 pp. GERMAN, Patent No 311,048.

Patent Office Sci Lib

Method of Producing Silica Refractories, by E. Steinhoff. GERMAN, Patent No 934,280, 13 Oct 1955.

CSIRO

Device for Changing Rolls and for Cutting Across Continuous Strip in Multiwinding Devices.
GERMAN, Patent No 1,005,801.

The second of th

まなからない なかとうかんしょう こうかん

Process for the Manufacture of High-Density Graphite Pieces. GERMAN, Patent No 1,018,777, 31 Oct 1957.

*AERE, Harwell

Arrangement on Track Installations for Rail Vehicles, by Jakob Huber, 12 pp. GERMAN, Patent No 1,051,895.

Patent Office Sci Lib

Flexible Pipe Knee for Jet Power Plants, 5 pp. GERMAN, Patent No 1,080,861, KL.62b 37/02, 10 Nov 1960; Encl 1 to F: 323-62 to Cincusnaveur Rep, FKFT, APO 757, Nov 1960.

Dept of Navy ONI 5149625

Experiments in 1952 to Produce Spheroidal-Graphite Chilled Iron Rolls, by B. Koros. HUNGARIAN, per, Kohaszati Lapok, Vol VIII, No 4, 1953, pp 73-82, No 5, pp 97-103.

BISI 2467

Thermal Measurements of Continuous Pea Cooling Equipment, by I. Kormendy. HUNGARIAN, per, Konserv es Paprikaipari Kutato Intezet Kozlemenyei, pp 17-19.

CSIRO 5464

Inventions Developed at Research Institutes of the Hungarian Academy of Sciences, by Iaszlo Szollosy, 4 pp. HUNGARIAN, per, Magyar Tudomany, Vol VII, No 3, 1962, pp 181-183.

JPRS 14616

Performance of the Geodetic Work of the Hydrologic Service, 3 pp. HUNGARIAN, per, Vizugyi Ertesito, Vol VIII, No 19, 1961, pp 154-155, Call No GB722.H9 V86, Eng Trans.

Army Map Service

Hollow Charges (Cutting and Demolition) Technical Characteristics - Procedure of Employment. ITALIAN, bk, 1961, pp 1-22.

ERDL, Ft Belvoir T-1621

A New Instrument for Moisture Determination, by H. Gaegauf. ITALIAN, per, Industria Della Carta, Vol XII, No 8/9, 1958, pp 100-107.

CSIRO

Contribution to the Knowledge of the Behavior of Pipelines Drilled in Rock, by Ermanno Gigli.
ITALIAN, per, L'Elettrotecnica, Vol XXXVI, No 11, 1959.

*RAND

Frictional Behaviour of Textile Fibres, by W. Sbrolli, E. Rottenbacher. ITALIAN, per, Revista Tessile, No 2, 1959, pp 145-149, No 3, pp 247-252, No 4, pp 371-380.

CSIRO 4681

The Design Study and the General Picture of the Linear Electron Accelerator for the Injector of 1 BeV Synchrotron, by Tetsuji Nishikawa, Jiro Tanaka, 24 pp.

JAPANESE, rpt, INS Report 27.
9089611

AEC

On the Measurement of Exhaust Gas Density, by F. Nagao, K. Tanabe. JAPANESE, Lecture Delivered at the 94th Meeting of the Japanese Institute of Mechanical Engineering Kwansai Branch 16th March 1939.

NLL M. 3626

When Should We Remove Shoring, by S. Tamiji.

JAPANESE, per, Japan Building
Engineering, Vol LVI, No 1, 1956,
pp 72-76.

CSIRO 3823

Examination Apparatus for Cavitation Test in Liquid Metals, by Yunoshin Imai, et al.

JAPANESE, per, Journal of the Atomic Energy Society of Japan, Vol IV, 1962, pp 77-84.

*AEC

The state of the s

Thermos Bottles and Mirrors, by K. Nakanishi.

JAPANESE, per, Journal of Japanese Chemisty, Vol IV, No 11, 1950, pp 604-612.

CSIRO

Fiber Motion in the Roller Draft Field, by S. Kurosaki, S. Ichino. JAPANESE, per, <u>Journal of Textile</u> Machinery Society of Japan, Vol II, No 1, 1956, pp 1-9.

CSIRO

Mixing of Solid Particles Using a Ribbon Blender, by T. Yano, Y. Sano, 25 pp. JAPANESE, per, Kagaku Kogaku, Vol XXIV, 1960, pp 219-225.

AEC NP Tr-889

Suitability of Test Methods Using Comb Sorter Devices and of Single Fibre Measurements in Determining Fibre Length, by E. Szucht, G. Glowacka.

POLISH, per, Prace Instytutu Wlokiennictwa, Vol VIII, No 2, 1958, pp 1-69.

CSIRO 4486

The Hyperboloid of Engineer Garin, by T. Teodorescu. RUMANIAN, per, Stiinta si Tehnica, No 2, 1962, pp 6-8.

*FTD-TT-62-1137

The Measurement of Mechanical Shocks and Vibrations by the Use of Capacitive Transducers, by E. Procopovici, 8 pp. RUMANIAN, per, Studii si Ceroetari de Mecanica Aplicata, Vol XI, No 4, 1960, pp 1019-1025. 9677923

FTD-TT-62-282

Effect and Use of Measured Explosion in Rock as a New Method of Mining, by Ljubomir Paunovic, 11 pp. SERBO-CROATIAN, per, Vojno Tehn Glasnik, Vol VII, 1960, pp 510-513. 9089544

AEC UCRL Tr-823(L)

Moisture Properties of Lightweight Concrete and Brick, by R. Hanson. SWEDISH, per, Byggmastaren, Vol IB, 1958, pp 7-11.

CSIRO 4069

New Standards for Cast Iron. SWEDISH, per, Gjuteriet, Vol LI, No 5, 1961, pp 69-74.

BISI 2778

Adhesion of Paper to Various Press Roll Cover Materials, by B. Fahlin. SWEDISH, per, Svensk Paperstidning, Vol LX, No 13, 1957, pp 484-488.

CSIRO

The Influence of Material and Dimensions on the Service Properties of Cartons With Regard to Stiffness, by Y. Dagel.

SWEDISH, per, Svensk Paperstidning, No 22, 1958, pp 973-982.

CSIRO

Testing of Timber Roof Structures by Means of Models, by B. Noren.
SWEDISH, per, Svenska Traforskings-institutet, Trateknik, Meddelande,
Vol LXXXVIb, 1957, pp 1-16.

CSIRO 3856

Holder for Paper Packets, by A. Widegren, 10 pp. SWEDISH, Patent No 113,778.

Patent Office Sci Lib

Study and Application of Operations Research, 11 pp. VIETNAMESE, np. Tin Tuc Hoat Dong Khoa Hoc. May 1962, pp 10-15.

JPRS 14668

Scientific Fuels

The state of the s

The second secon

Use of the Luminescence Method for Characterizing the Properties of Coals, by I. I. Ammosov.
RUSSIAN, per, Iz Ak Nauk SSSR,
Otdel Tekh Nauk, No 3, 1951,
pp 341-349.

Dept of Interior TP325 A55

The Optimum Degree of Coal Grinding for Carbonization, by V. F. Kushnirov. RUSSIAN, per, Koks i Khimiya, No 2, 1959, pp 3-5.

CSIRO

Determining the Width of a Sampler for Solid Fuel, by A. I. Baklagin. RUSSIAN, per, Teploenergetika, Vol VI, No 8, 1959, pp 14-16.

CSIRO

The Possibility of Obtaining Gas
Turbine Fuels From Products Processed
at the Groznyy Refineries, by
A. G. Malin, L. A. Bayburskiy,
P. I. Krechetova.
RUSSIAN, per, Trudy Groznensk Neft
Nauch Iss Institut, No 11, 1961,
pp 25-38.

*FTD-TT-62-1172

Contribution to the Study of the Temporary Fusion of Coal, by P. Schuller, E. Schwarz. FRENCH, per, Association Tecknique de 1'Industrie de Gaz, 1956, pp 463-467.

CSIRO 4634

Oiling for Strength, by L. Mauri. FRENCH, per, Ingeneria Textil, Vol XXXVII, 1960, pp 215-223.

CSIRC 5423

Scientific Fuels (Contd)

Selected Articles From the German Periodical Brennstoff-Chemie.

Vol XXXVIII, No 3/4, 1957, pp 51-54. The Formation of Benzene During Pyrolysis of Coal, by G. Huck.

Vol XXXVIII, No 15/16, 1957, pp 231-237.
The Physical and Chemical Properties of the Structural Constituents of Coal VII. Effect of Exinite and Micrinite on the Swelling of Vitrinite, by C. Kroger,

Vol XXXIX, 1958, pp 225-230. Photomicrographs of Japanese Coals Under Di-Iodomethane Immersion, by R. Takahashi.

H. Gonermann.

Vol XLI, No 2, 1960, pp 52-55. Petermination of the Carbon and Hydrogen Content of Solid Fuels, by W. Radmacher, A. Hoverath.

Vol XLI, No 3, 1960.
Petrographic Properties and
Rheological Behaviour of Permian
Bituminous Coals, Especially
the Gondwana Coals of Eastern
Australia and India, by
H. Hoffmann, K. Hoehne, (pp 70-79).

Coalification Process, Coalification Parameters and Coal Classification Based on Vitrite Analyses Part I, by K. Patteisky, M. Teichmuller, (pp 79-84).

Cheap Inert Gas; A New Industrial Material, by G. V. Bennigsen. GERMAN, per, Erdoel und Kohle, 1959, pp 646-648.

CSIRO 3755

CSIRO 4049

CSIRO

Broken Hill Prop Co Ltd

Broken Hill Prop Co Ltd (CRL/T.586)

Broken Hill Prop Co Ltd

CS1RO

Scientific Fuels (Contd)

A STATE OF THE STA

Studies of Rapid Combustion and Gasification of Solid Fuels, by W. Fuchs, H. Dresia.

GERMAN, per, Forschungsberichte des Wirtschaftsund Verkehrsministeriums
Nordheinwestfalen, No 272, 1956, pp 1-44.

CSIRO 4419

Contribution to the Question of the Efficacity of Diesel Fuel Additives, by Meureur.
GERMAN, per, Motortechnische Z, Vol XVIII, No 12, 1957.

CSIRO

The Dependence of Char Quality on the Nature of Brown Coal Briquettes and the Manner of Their Carbonization, by R. Rummel.

GERMAN, per, Oel unh Kohle, Vol XLV, No 48, 1944, pp 709-723.

MU/T 331

Stability and Miscibility of Fuel Oils, by T. N. B. Marshall. GERMAN, per, Schweizer Archiv fur Angewnadte Wissenschaft und Technik, Vol XXIII, 1957, pp 273-279.

CSIRO

New Form of Burner for Fuel Oil and Coal Dust Firing, by A. Kuhlmann. GERMAN, per, Verein Deutscher Ingenieure 2, Vol XCVIII, 1956, pp 837-839.

Scientific Geophysics

Electric Prospecting by the Method of Telluric Currents, by N. N. Berdichevski. RUSSIAN, bk, 240 pp.

Agrometeorology, by G. Z. Ventskevich, 300 pp. RUSSIAN, bk, Agrometeorologiya, 1958.

Study of the Law of Infrared Radiation Absorption by Water Vapors and the Determination of the Moisture in the Upper Atmospheric Layers by the Spectral Method, by K. P. Vasilevskiy, M. S. Kiseleva.
RUSSIAN, bk, Dokl Mezhvuz Nauchn Konferentsii po Spektroskopii i Spektr. Analizu; Tomsk, Tomskiy Un-t, 1960, pp 82-84.

Report on the Applied Geology of the Chao-yang-ssu District, Kwan-tung Province, South Manchuria, by Hiroshi Dzaki.
RUSSIAN, bk, Geological Institute, 1933.

Changes in the Mechanical Properties of Quaternary Sediments in the Black Sea, by I. M. Gorkova, N. A. Dushkina, 40 pp.
RUSSIAN, rpt, Kommisiya po Osadochnym Porodam, 1959.

Relief; Rivers and Lakes, by G. V. Korsunskaya, 21 pp. RUSSIAN, bk, Kuril'skaya Ostrovnaya Duga, 1958, 30 pp, Call No GB239 C54 K84. Eng. Trans.

The Main Hydrological Characteristics of the Indian Ocean, by A. M. Muromtsev. RUSSIAN, bk, Osnovnyye Cherty Gidrologii Indiyskogo Okeana, 1959, PP 3-435.

*American Geophysical Union

OTS 60-51044 PL-480

*FTD-TT-62-1136

Dept of Interior 209(900) qUn33pr No 205

MEB

Army Map Service

*ACSI I-1717 ID 2203225

The same of the same of

これ というこう かんしゅう こうしょうしゅう

Genus Acratia Delo, emend Egor, 1930, by V. G. Egorov. RUSSIAN, bk, Ostrakody Franskogo Yarusa Russloi Platformy; II. Bairdiidae, Moscow-Leningrad 1953.

Dept of Interior QE3 E57 No 91

The Solonetz Soils, by V. A. Kovda, 58 pp.
RUSSIAN, bk, Pochvy SSSR, Vol I, 1939, pp 299-347.

OTS 60-21853 PL-480

Elastic Wave Velocities and Electrical Resistivities in Layered Systems, by A. K. Urupov, Yu. A. Byakov, 10 pp. RUSSIAN, rpt, Razvedka i Promyshlennaya Geofiz, No 38, 1960.

MEB

The Scattering of Light in the Atmosphere and the Calculation of Total Illumination. RUSSIAN, bk, Scattering of Light in the Atmosphere. Chapter 4, Section 19, From Handbook on Lighting.

NLL M. 4771

Water Regime in Peat and Swamp Soils in the Belorussian SSR and Crop Yields, by N. F. Lebedevich, 60 pp. RUSSIAN, bk, Sbornik Nauchnykh Trudov Instituta Melioratsii, Vodnogo i Bolotnogo Khoz Ak Nauk BSSR, Vol VI, 1956. 9089781

OTS 60-51054 PL-480

The Serozems of Central Asia, by A. N. Rozanov, 541 pp. RUSSIAN, bk, Serozemy Srednei Azii, 1951.

OTS 60-21834 PL-480

The Distribution of Certain Varieties of Phytoplankton in Relation to the Principal Currents in the Western Part of the Pacific Ocean, by O. I. Koblentz-Mishke.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, No 6, 1958, pp 1012-1014.

Reduction of the System of Differential Equations Used in Short-Term Weather Forecasts To a System of Algebraic Equations, by I. A. Kibel', 6 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 6, 1962, pp 1336-1339.

JPRS 14888

On the Theory of Terrestrial Atmospherics, by P. Ye. Krasnushkin, 8 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2, 11 May 1962, pp 334-337.

JPRS 14851

A New Field Method for Determining Soil Moisture, by F. Kolyasev. RUSSIAN, per, Dok Vses Ordena Lenina Ak Sel'skokhoz Nauk imeni Lenina, Vol XV, No 4, 1950, pp 31-36.

CSIRO 4159

On the Problem of the Amount of Juvenile Water Evolved During the Formation of Effusive Rocks, by O. N. Tolstikhin. RUSSIAN, per, Geokhim, No 11, 1961, pp 1005-1008.

Dept of Interior G(570) G29E.

On the Height of Rolling of a Wave Against a Slope, by A. V. Kul'chitskiy. RUSSIAN, per, Gidrotekh Stroitel, Vol XXV, No 11, 1956, pp 34-36.

NLL M. 4817

Limiting the Height of Rolling of Waves on Flat Slopes of Earth Dams, by V. F. Kanarskiy.

RUSSIAN, per, Gidrotekh Stroitel, Vol XXX, No 7, 1960, pp 38, 39.

NLL M. 4816

Selected Articles From the Russian Periodical Informatsii Byll Sovet Antarkt Eksped.

Vol II, 1958, pp 31-35.
A Study of the Western Coastal
Antarctic Current, by I. V. Maksimov.

*Navy/IIO Tr 168

No 26, 1961, pp 36-38.
Mapping Programs in the Antartic in 1961, by Ya. P. Koblents.

Dept of Interior QE3 E57 No 79

Control of the second of the s

Selected Articles From the Russian Periodical Informatsii Byll Sovet Antarkt Eksped. (Contd)

No 28, 1961.

Determination of Elevations by Means of Geodetic Levelling Along the Route Mirny-Komsomolskaya, by S. N. Shcheglov, (pp 37-41).

New Charts and Cartographic Aids on the Antartic, by Ya. P. Koblents, (p 49).

No 29, 1961, pp 27-29. Main Types of Relief of Queen Maud Land, by G. V. Konovalov.

Plankton in the Irkustsk Water Reservoir During Its First Year of Operation, by G. L. Vasil'yeva, et al. PUSSIAN, per, Iz Ak Nauk SSSR, Siberskoye Otdel, Vol X, 1960, pp 103-111.

New Carboniferous Acanthocladiids of the Gzhelian Stage From the Moscow Basin, by N. A. Shishova. RUSSIAN, per, Materialy Klosnovam Paleontologii, Vol I, pp 22, 23.

Cambrian Stratigraphy of the South-Eastern Border of the Siberian Platform, by N. E. Chernyshyova. RUSSIAN, per, Materialy Vesoyuznogo Nauchno-Issledovatelskogo Geologi-cheskogo Instituta (VSEGEI) Ministerstva Geologii i Okhrany Nedr, Vol VII, 1955, pp 29-49.

The All-Union Cloud, by A. Kh. Khrgian, 8 pp.
RUSSIAN, per, Meteorol i Gidrol, No 6, 1962, pp 10-14.

Dept of Interior QE3 E57 No 77

Dept of Interior QE3 E57 No 78

Dept of Interior QE3 E57 No 76

CSIRO

Dept of Interior QE3 E57 No 85

Dept of Interior QE3 E57 No 84

JPRS 14677

Publications of the Scientific-Research Institutions of the Hydrometeorological Service for 1961 (Continuation), 9 pp. RUSSIAN, per, Meteorol i Gidrol, No 8, 1962, pp 58-62.

JPRS 14677

Investigation of the Brightness of the Channel of a Spark Discharge in Atmospheres of Argon and Xenon, by M. P. Vanyukov, A. A. Mak, 21 pp. RUSSIAN, per, Optika i Spektroskopiya, Vol I, 1956, pp 642-649.

AEC NP Tr-898

The Pk-2 Apparatus of Prof F. Kolyasev for the Determination of Soil Moisture, by V. Akimtsev, et al. RUSSIAN, per, Pochvovedenie, No 11, 1955, pp 97-99.

CSIRO 4158

Geology in the USSR (At the Bottom of the Aral Sea), by A. A. Dreyer, 4 pp. RUSSIAN, per, Priroda, No 3, 1962, pp 59-61.

JPRS 14817

Aerological Characteristics of the Structure of the Atmosphere Over Mirnyy, by T. A. Tsitovich, R. A. Zagudayeva, 12 pp. RUSSIAN, per, Problemy Arktiki i Antarktiki, No 9, 1961, pp 37-44.

JPRS 14620

On the Effect of Irregularities in the Earth's Rotation on the Processes in Its Atmosphere and Hydrosphere, by N. S. Sidorenkov, 10 pp.
RUSSIAN, per, Problemy Arktiki i Antarktiki, No 9, 1960, pp 45-49.

JPRS 14620

THE PROPERTY OF THE PARTY OF TH

きかんものことというとはついいなのののないないないというないないというないのできるので

Selected Articles From the Russian Periodical Problemy Arktiki i Antarktiki, No 9, 1960.

JPRS 14620

Thermal Characteristics of the Arctic Snow Cover, by A. P. Koptev, 16 pp, (pp 50-58).

On the Problem of Nonlinearity of the Electric Characteristics of the Ionosphere, by L. P. Kuperov, 5 pp, (pp 59-61).

On the Problem Concerning the Trend of the Glaciation of Franz Josef Land, by L. S. Govorukha, I. M. Simonov, 4 pp, (pp 63-65).

Some Properties of Giant Pulsations of the Geomagnetic Field, by A. I. Ol', N. D. Chicherina, 6 pp, (pp 85-87).

Q-Indices of Geomagnetic Activity According To the Data of Soviet Arctic Observatories, by G. I. Korobkova, A. I. Ol', 7 pp, (pp 89-92).

New Localities of Aphrosalpinx Textiles Miagkova, by E. I. Myagkova. RUSSIAN, per, Trudy Ak Nauk SSSR, Gorno-Geolog Inst, Vol LI, No 5, 1960, pp 89, 90.

Dept of Interior QE3 E57 No 88

Fundamental Equations of Motion of the Ground Water Towards the Drains in Inhomogenous Grounds, by G. N. Lubyako, 28 pp.
RUSSIAN, per, Trudy Ak Nauk SSSR, Sovet po Izucheniyu Proiz Sil. Aralo-Kaspiyskaya Kompleksnaya Ekspeditsiya, 1943-1950, No 7, 1956, pp 197-221.

OTS 61-31047 PL-480

The Ordovician Stratigraphy of the Chu-Iliyskiye Mountains, by B. M. Keller. RUSSIAN, per, Trudy Geol Inst Ak Nauk SSSR, Vol I, 1956.

Dept of Interior G(570) Ac122g2pE

The Ordovician Stratigraphy of the Chu-Iliskiye Mountains, by B. M. Keller. RUSSIAN, per, Trudy Geol Inst Ordovik Kazakhstana, Vol II, 1956, pp 5-102.

Dept of Interior QE3 E57 No 81

Proceedings of the Main Geophysical Observatory imeni A. I. Voyeikova, by D. L. Laykhtman.
RUSSIAN, per, Trudy Glavnoy Geofiz Observ, No 107, 1961, 201 pp.

*ACSI I-1719 ID 2203226

Annual Fluctuations of Water Temperature in the Baltic Sea, by I. M. Soskin. RUSSIAN, per, Trudy Gosud Okeanograf Inst, Vol XXXVII, 1959, pp 42-52.

Dept of Interior GC1 U54 No 102 Pc 4

Some Additional Data on the Study of Ordovician Streptelasmids in Estonia, by D. L. Kaljo.
RUSSIAN, per, Trudy Inst Geol Ak Nauk Estonskoy SSR VI, 1961.

Dept of Interior QE3 E57 No 86

Platystrophia sp. a & b, by
M. P. Rubel.
RUSSIAN, per, Trudy Inst Geol Ak Nauk
Estonskoy SSR, Vol VI, 1961, pp. 154, 155.

Dept of Interior QE3 E57 No 87

Standardization of Methods of Chemical Research and Methods of Expressing Sea-Water Analyses, by S. V. Bruyevich. RUSSIAN, per, Trudy Inst Okeanol, Vol XXVI, 1958, pp 243-246.

Dept of Interior U395 C2A5 T367R

Geology and Absolute Age of Pre-Cambrian Rocks, the Baltic Shield and Eastern Siberia, 5 pp.
RUSSIAN, per, Trudy Lab Dokembriyskoy Geol, No 9, 1960.

MEB

A STATE OF THE STA

Geology and Petrology of the Pre-Cambrian, 5 pp.
RUSSIAN, per, Trudy Lab Dokembriyskoy Geol, No 11, 1960.

MEB

Rare Late Cambrian Fossils From the NW of the Siberian Platform, by L. D. Miroshnikov. RUSSIAN, per, Trudy Nauchno-Issled Inst Geol Arktiki Ministerstva Geol i Okhrany Nedr SSSR, Vol III, 1960, pp 28-41.

Dept of Interior QE3 E57 No 83

Simultaneous Modeling of Bed and Suspended Loads, by G. S. Bashkirov, 10 pp. RUSSIAN, per, Trudy Okeanograf Komissii, Ak Nauk SSSR, Vol VIII, 1961.

MEB

Some Aspects of Wave Action on a Gently Sloping Sandy Beach, by V. V. Longinov, 67 pp.
RUSSIAN, per, Trudy Okeanograf Komissii, Ak Nauk SSSR, Vol VIII, 1961.

MEB

Wave Action and the Development of the Outer Foreshore Margin, by N. K. Sivakov, 14 pp.
RUSSIAN, per, Trudy Okeanograf Komissii, Ak Nauk SSSR, Vol VIII, 1961.

MEB

Carboniferous Bryozoans From the Middle Don, by I. P. Morozova. RUSSIAN, per, Trudy Paleontol Inst, Vol LVIII, 1955, pp 64-67, 69-71, 74-84.

Dept of Interior QE3 E57 No 89

Accumulation of Amorphous Silica in Soils, by N. Bazilevich, et al. RUSSIAN, per, Trudy Poch Inst imeni Dokuchayeva, Vol XLIV, 1954, pp 262-280.

CSIRO 4140

Influence of Temperature and Moisture of Soil Upon Germination of the Perennial Grasses, by M. A. Filimonov.
RUSSIAN, per, Vest Sel'skokhoz Nauk, Vol II, No 5, 1957, pp 147-150.

On the Morphology of Trilobites, by E. A. Balashova. RUSSIAN, per, Voprosy Paleontologii, Vol II, 1955, pp 19-35.

Dept of Interior QE3 E57 No 90

An Attempt To Investigate Soil Erosion Under the Mountain Relief Conditions of the Uzbek SSR, by M. B. Doshchanov, 7 pp. RUSSIAN, per, Vses Soveshchaniye po Bor'be s Eroziei Pochv, No 6, 1955, pp 619-626. 9089774

OTS 60-21879 PL-480

Summary Report on the Joint Sino-Soviet 1956-60 Integrated Investigation of the Heilungkiang River Basin, by Feng Chung-yun, 10 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, pp 1-4.

JPRS 14854

Summary Report on the Joint Sino-Soviet Investigation of Natural Conditions in the Heilungkiang River Basin, by Chu Chi-fan, Sung Ts-ch'uan, etc., 18 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, pp 4-10.

JPRS 14854

Summary Report on the Joint Sino-Soviet Investigation of Geologic Conditions in the Heilungkiang River Basin, by Hou Te-feng, Yu Chien-chang, etc., 13 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, pp 11-15.

JPRS 14854

Summary Report on the Joint Sino-Soviet Investigation of Water Conservation and Development Problems in the Heilungkiang River Basin, by Hsieh Chia-tse, 11 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, pp 15-19.

JPRS 14854

The second secon

The state of the s

Summary Report on the Joint Sino-Soviet Investigation of Communications and Transportation in the Heilungkiang River Basin, by Kao Yuan, Lu Tsu-chou, 8 pp. CHINESE, per, Ko-hsueh T'ung-pao, No 5, 1962, pp 19-22.

JPRS 14854

The Fourth Conference of the Sino-Soviet Joint Committee for the Study of the Productivity in the Amur River Basin, by Kao K'uei-wen, 4 pp.
CHINESE, per, K'o-hsueh T'ung-pao, No 5, 1962, p 47.

JPRS 14854

Solar Radiation as a Factor Codetermining Productivity of Plants, by A. Nichiporovich, S. Chmora.

CZECH, per, Ceskoslovenska Botanicka
Spolecnost, 1958, pp 85-96.

CSIRO 5479

Tectonics, by Jean Goguel, 384 pp. FRENCH, bk.

Freeman

On the Formation of Thunderstorms by Wrinkling (Wave-Motion) of a Humid Air Layer, by Henri Dessens. FRENCH, per, Bull Observ du Phy de Dome, No 1, Jan-Mar 1959, pp 7-10.

*AFCRL Res Lib

Wind Effects on Water Surface, by M. Hunt. FRENCH, per, Houille Blanche, No 11, 1956, pp 575-607.

CSIRO

The Formation of Desert Dunes. FRENCH, per, La Nature, Vol LXXXIII, No 3241, 1955, pp 169-175.

CSIRO 3984

Rupture of a Rock With the Aid of Concentrated Explosive Charges Enclosed Inside the Rock, by W. I. Duvall, T. C. Atchison. FRENCH, per, Revue de l'Industrie Minerale, Vol XXXIX, No 8, 1957, pp 754-772.

The Oceanographic Conditions of Sea Areas Along the Coast of El Salvador, by H. G. Gierloff-Emden.

GERMAN, bk, Acta Humboldtiana, Series

Geographica et Ethnographica, No 2, 1959, pp 33-45.

*Navy/HO Tr 166

Surface Currents [for the West Coast of Africa].
GERMAN, bk, Handbuch der Westkuste
Afrikas, Teil I, 1960, pp 146-150.

Dept of Interior GC1 U54 No 117

The Relief and Bottom Structure of the Strait [of Gibraltar], by Otto Jessen. GERMAN, bk, Das Relief und die Bodenbeschaffenheit der Strasse (Von Gibraltar), 1927, pp 56-62.

*Navy/HO Tr 167

Seismic Methods in Rock Mechanics, by O. Meisser. GERMAN, per, Akademie der Wissenschaften zu Berlin, Klasse fur Bergbau, Huttenwesen und Montan Geologie, No 1, 1961, pp 17-31.

Dept of Interior QE3 E57 No 80

Statistical Treatment of Soil Moisture Figures, by R. Pfau. GERMAN, per, Ber des Deutschen Wetterdienstes, Vol VII, No 46, 1958, pp 3-20.

CSIRO 4129

The Flood Disaster in Hamburg, by A. M. Stahmer, 4 pp. GERMAN, per, Erdol-Informationsdienst, Vol XV, No 32, 1962, pp 1, 2, Call No TN860 E65, Eng Trans.

Army Map Service

Earth Current Investigations at the Observatory of Terrestrial Magnetism at Fursten Feldbruck, by K. Burkhart. GERMAN, per, Geofisica Pura e Applicada, Vol XIX, 1951, pp 19-32.

The state of the s

Sediments of Golfo di Pozzuoli, by German Muller. GERMAN, per, Geologische Rundschau, Vol XLVII, 1958, pp I-IX.

*Navy/HO Tr 169

The Influence of Temperature on Soil Absorption Capacity, by W. Holdheide. GERMAN, per, Jahrbucher fur Wieesenchaftliche Botanik, Vol LXXXI, 1935, pp 758-766.

CSIRO 3790

Observations on the Variations in Temperature and Water Vapour Pressure Above a Plant Stand, by U. Berger-Landefeldt, et al.
GERMAN, per, Meteorologische Rundschau, Vol X, No 1, 1957, pp 11-20.

CSIRO 3744

On the Discovery and Measurement of Local Magnetic Fields on the Surface of the Sun, by H. von Kluber.

GERMAN, per, Z fuer Astrophysik, Vol XXIV, No 1/2, 1948, pp 121-180.

CSIRO 5079

Micro-Pulsations of the Earth Current and the Components of Horizontal Terrestrial Magnetism, by K. Burkhart. GERMAN, per, Z fuer Geophysik, Vol XXI, 1955, pp 57-63.

CSIRO

Investigation of Plant Nutrient Materials Supplied To the Soil by Precipitation, by K. Scharrer, H. Fast.
GERMAN, per, Z fuer Pflanzenernahrung, Dungung, Bodenkunde, Vol LV, No 2, 1951, pp 96-105.

CSIRO 3835

The Radiation Field of the Chromospere-Corona Transition Layer, by L. Oster. GERMAN, per, Z fuer Astrophysik, Vol XL, No 1, 1956, pp 28-62.

Hydrography and Phytoplankton of the Castellon Coast From July 1957 to June 1958, by R. Margalef. SPANISH, per, Investigacion Pesquers, Vol XV, 1959, pp 3-38.

Measurements of Sand Migration by Means of Tracers in Aid of the Europoort Jetties Scheme, by J. N. Svasek.

SWEDISH, rpt, Rijkswaterstaat Deltadienst Waterloopkundige Afdeling Rapport, No 8, 1961.

On the Mass Flow of the Convection Currents in the Sea, by V. Walfrid Ekman, 16 pp. SWEDISH, per, Kungl Fysiografiska Sallskapets Handlingar, Vol XL, No 6.

Draft. Site Mapping in Forestry Operation, by M. Haardt.
SWEDISH, per, Svenska Skogsvardsforeningens
Tidskrift, Vol I, 1956, pp 23-34.

Microflora of Mountain Air, by N. S. Fazlullin, 6 pp. UKRAINIAN, per, Eksper Med, No 2, 1937, pp 69-74. CSIRO 5275

*AERE, Harwell

University of Virginia Research Laboratories for the Engineering Sciences

CSIRO

ACSI I-1218 ID 2196093

Scientific Mathematics

The state of the s

Theory of the Transmission and Processing of Information, by A. G. Vitushkin, 206 pp. RUSSIAN, bk.

PP

Numerical Methods of Mathematical Analysis, by Sh. E. Mikeladze. RUSSIAN, bk, Chislennye Metody Matematicheskogo Analiza, 1953, 597 pp.

AEC Tr-4285

Newton's Polygon and Its Role in the Present Development of Mathematics, by N. G. Chebotarev, 53 pp.
RUSSIAN, bk, Isaak N'yuton, 1643-1727,
Symposium on the 300th Anniversary of His Birth, 1943, pp 99-126.

AEC Tr-5139

On Mathematical Expectations and Dispersions of Some Random Processes, by P. A. Kazulyayev. RUSSIAN, Ok, Trudy Vses S.-kh in-ta Zaochn Obrazovaniya, Vol III, 1959, pp 215-218.

*FTD-TT-62-1146

Limit Theorems for the Sums of Independent Variables Taking Into Account the Big Deviation. II, by Yu. V. Linnik. RUSSIAN, per, Teoriya Veroyatnostey i Yeye Primeneniye, Vol VI, No 4, 1961, pp 377-391.

*FTD-TT-62-1148

Remark on the Throughput of a Noise-Free Discrete Link, by Yu. I. Lyubich. RUSSIAN, per, <u>Uspekhi Matemat Nauk</u>, Vol XVII, No 1 (103), 1962, pp 191-198.

*FTD-TT-62-1144

On the Dissipativity of a Certain Non-Linear System of Differential Equations. I, by B. P. Demidovich. RUSSIAN, per, <u>Vest Moskov U, Ser I, Matemat</u>, <u>Mekh</u>, No 6, 1961, pp 19-27.

*FTD-TT-62-1149

Scientific Mathematics (Contd)

On the Projective Transformation of a Nomogram From Fixed Points With a Straight-Line Answer Scale, by D. G. Lapteva.

RUSSIAN, per, Vychislitel Matemat, No 4, 1959, pp 150-158.

NLL M. 3581

Properties of a Defocused Paraboloid of Revolution, by Oldrich Klos, Jindrich Musil, Libor Obruca.

CZECH, per, Slaboproudy Obzor, Vol XXIII, No 1, 1962, pp 39-45.

*FTD-TT-62-1139

An Analytical Method of Solution for the Energy Dependent Neutron Transport Problem, by Hans Hejtmanek, 11 pp.
GERMAN, per, Atomkernenergie, Vol VI, No 9, 1961, pp 350-353. 9089560

AEC Tr-5204

Concerning the Development of Real Functions in Series by Means of the Method of Least Squares, by J. P. Gram.
GERMAN, per, Journal fer die Reine und Angewandte Mathematik, Vol XCIV, 1883, pp 41-73.

*AFCRL Res Lib

A Brief Description of the 'BESM' II (Fundamental Parameters), by L. A. Zak, T. I. Milchenko, V. P. Smiryagin.
HUNGARIAN, per, Magyar Tudomanyos Akadema Budapest. Matematikai Kutato Intezet, Vol V, No 1/2, 1960.

RAND RM-2919/4

Scientific Medicine

Medicine	
Animal Behavior - Its Normal and Abnormal Development, by L. V. Krushinskiy, 261 pp. RUSSIAN, bk.	СВ
Experimental Transplantation of Vital Organs, by V. P. Demikhov, 250 pp. RUSSIAN, bk.	СВ
New Clinical and Experimental Data on Procaine, by N. T. Starostenko, 82 pp. RUSSIAN, bk.	СВ
Principles of Pediatric Traumatology, by N. G. Dam'e. RUSSIAN, bk, 1960.	СВ
Geographic Collection XIV Medical Geography, (DC-8002). RUSSIAN, bk, Geograficheskiy Sbornik XIV Meditsin-skaya Geografiya, 1961, pp 1-199.	*JPRS
Changes in the Blood Forming Organ of Mice Under the Effect of Flight in a Space Ship, by M. A. Arsen'yeva, V. V. Antipov. RUSSIAN, bk, <u>Iskusstvennyye Sputniki Zemli</u> , No 10, 1961, pp 82-92.	*FTD-TT-62-1199
Data on the Reactions of the Human Central Nervous System to Ionizing Radiations, by Yu. G. Grigor'yev. RUSSIAN, bk, Materialy k Izucheniyu Reaktsii Tsentral'noi Nervooi Sistemy Cheloveka na Ioniziruyuschee Izluchenie, 1958, 133 pp.	AEC Tr-4284
Materials on the Toxicology of Radioactive Substances. Part I. Strontium, Cesium, Ruthenium, and Radon, by A. A. Letavet, E. B. Kurlyandskaya. RUSSIAN, bk, Materialy po Toksikologii	
Radioaktifnykh Veshchestv. Vypusk I: Strontsii, Tsezii, Rutenii i Radon, 1957, 239 pp.	AEC Tr-3794

Microelectrode Technique, by P. G. Kostyuk, (Sr-2333). RUSSIAN, bk, <u>Mikroelektrodnaya Tekhnika</u>, 1960, pp 1-126.

*JPRS

On the Pathological Physiology of the Salivary Glands, Chapter VII, Influence of Para-Sympathetic Denervation on the Function of Salivary Glands, by V. M. Koropov. RUSSIAN, monograph, Moscow Veterinary Academy, 1949.

Univ of Melbourne T.208

Resuscitation and Artificial Hypothermia, by V. A. Negovskiy.

RUSSIAN, bk, Oshivlenie Organisma i
Iskusstvennaya Gipoteraiya, 1960.

CB

Pathologic Physiology of Acute Radiation Sickness. Experimental Materials on Biological Action of External Ionizing Radiations, by P. D. Gorizontov. RUSSIAN, bk, Patologicheskaya Fiziologiya Ostroi Luchevoi Bolezni. Eksperimental'nye Materialy po Biologicheskomi Deistviyu Vneshnikh Ioniziruyushchikh Izluchenii, 1958, 331 pp.

AEC Tr-3729

Pathological Anatomic Changes in Lungs in Radiation Injury, by A. E. Ivanov. RUSSIAN, bk, Patologo Anatomicheskie Izmeneniya Legkikh Pri Lucheyzoy Boleni, 1961, 150 pp.

*AEC

Study of Comparative Radiosensitivity of Different Parts of Brain in Terms of Altered Function, by G. Z. Abdullin, 12 pp.
RUSSIAN, papers, Proceedings of a Symposium on the Effects of Ionizing Radiation on the Nervous System, Vienna, June 5-9, 1961, pp 397-408.

AEC Tr-5141

Role of the Nervous System in Changes of the "Metabolic Reactivity" of the Irradiated Organism, by L. Novak, A. Vatsek, M. Pospishil, 12 pp.
RUSSIAN, papers, Proceedings of a Symposium on the Effects of Ionizing Radiation on the Nervous System, Vienna, June 5-9, 1961, pp 449-459.

AEC Tr-5190

Radioactive Isotopes in Neurological Practice, by D. A. Chlitovskiy, (NY-7191). RUSSIAN, bklt, Radioaktivnyye Izotopy v Nevrologicheskiy Praktike, 1962, pp 1-140.

*JPRS

Collection of Scientific Works of the Elista Anti-Plague Station (No 1), (NY-7187). RUSSIAN, bk, Sbornik Nauchnykh Rabot Elistinskoy Protivochumnoy Stantsii (Vypusk 1), 1959, 252 pp.

*JPRS

Smoke Pollution of Towns, by G. V. Sheleikhovskiy, 203 pp. RUSSIAN, bk, Zadymleniye Gorodov, 1949.

OTS 60-51074

PL-480

Immunological Changes in the Blood of Men Vaccinated With the Virus of Epidemic Influenza, by O. M. Chalkina, 9 pp. RUSSIAN, per, Arch Sci Biol, Vol LII, No 1, 1938, pp 126-131. 9087029

NIH 5-1-62

Nerve Regeneration and the Problem of Restoration of Its Function, by L. I. Falin, 16 pp.
RUSSIAN, per, Arkhiv Anatomii, Gistol i Embriol, Vol XLII, No 5, 1962, pp 3-13.

JPRS 14825

The Etiology and Pathogenesis of Toxic Hepatitis With Ascites, by M. N. Khanin. RUSSIAN, per, Arkhiv Patolog, Vol XVIII, No 6, 1956, pp 33-45.

Concerning the Cancerogenic Properties of Some Radioactive Compounds at a Remote Period of Their Action, by T. A. Kochetkova, G. A. Avrunina, N. D. Sagaydak, 12 pp. RUSSIAN, per, Arkhiv Patolog, Vol XXIV, No 5, 1962, pp 3-7.

JPRS 14762

Preparation of a Dry Leukocyte and Experimental Study of Its Action, by M. E. Mirzoyeva, 9 pp. RUSSIAN, per, Azerbaydzhanskiy Medit Zhur, No 2, 1962, pp 67-71.

JPRS 14830

The Effect of Ultrasound on Coccidia Oocytes of the Rabbit, by Ye. M. Kheysin, M. A. Khenokh, 12 pp.
RUSSIAN, per, Biofizika, Vol L, No 8, 1956, pp 721-728.

JPRS 14676

Experience in the Utilization of Mechanical Suture in Surgery of the Esophagus and Cardia of the Stomach. by V. R. Belkin, Yu. Ye. Berezov, 14 pp.
RUSSIAN, per, Brudnaya Khirurgiya, No 3, 1962, pp 40-47.

JPRS 14884

Increasing the Radioresistivity of Nerve Tissue With the Aid of Thiamine Preparations Combined With Narcotics, by P. F. Minayev, P. Moshchinskiy, et al, 7 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIII, No 4, 1962, pp 976-979. 9677961

FTD-TT-62-831

All-Union Conference on the Problem of the Physiology and Pathology of Respiration, by D. A. Kocherga, ó pp. RUSSIAN, per, Fiz Zhur, Vol VIII, No 1, 1961, pp 139-142.

JPRS 14869

Change in the Dynamics of the Formation of Electric Reactions of the Visual Analysor in the Presence of Hypoxia, by Mei Lei, 11 pp. RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechenova, Vol XLVIII, No 1, 1962, pp 11-15.

FTD-TT-62-769

The second secon

Investigation of Tonic Reflexes on Stimulation of Different Human Sense Organs, by G. M. Margolin, 6 pp.

RUSSIAN, per, Fiz Zhur SSSR imeni I. M. Sechonova, Vol XLVIII, No 1, 1962, pp 95-97. 9665945

FTD-TT-62-558

Measures for Combating Atmospheric Pollution in Moscow, by P. I. Proshin. RUSSIAN, per, Gig i San, No 1, 1951, pp 13-16.

NLL M. 4895

New Soviet Regulations on the Prevention of Reservoir Water Contamination, by S. N. Cherkinskiy, 10 pp.
RUSSIAN, per, Gig i San, No 2, 1962, pp 7-15.

JPRS 14838

Hygienic Evaluation of Radioactive Iodine Accumulation in Fresh-Water Fish, by A. Ya. Loshak.
RUSSIAN, per, Gig i San, No 6, 1962, pp 93-95.

*USDA

The Technique of Using the UKL-60 Apparatus in Lund Resection for Carcinoma, by A. N. Novikov, N. D. Garin, 7 pp.
RUSSIAN, per, Grudnaya Khirurgiya, No 3, 1962, pp 13-17.

JPRS 14884

Cytomorphological Reaction of Areolar Connective Tissue to Leucocyte Factors, by N. V. Popova, A. N. Severtsov, 16 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Ser Biol, No 4, Jul/Aug 1961, pp 630-641.

JPRS 14903

Electrocardioscopy in Intrathoracic Surgery of Children, by B. N. Semenov, 9 pp. RUSSIAN, per, Khirurgiya, Vol XXXVIII, No 6, 1962, pp 57-62.

JPRS 14924

Modern Inhalation Equipment; Brief Information on the Movement and Precipitation of Aerosols for Inhalation, by A. S. Perel'muter. RUSSIAN, per, Medit Prom SSSR, No 7, 1958, pp 10-20.

*USDA

The Effect of Air Humidity Upon the Viability of Microorganisms in an Aerosol, by V. V. Vlodavets.

RUSSIAN, per, <u>Mikrobiol</u>, Vol XXXI, No 2, Mar-Apr 1962, pp 350-356. 9090895

USDA Tr V-1779

On the Mutual Effect of Algae and Microorganisms. Part I. The Action Caused by the Developing Cultures of Protococcous Algae, Chlorella Vulgaris and Scenedesmus Obliquus Upon the Survival of Escherichia Coli, by V. D. Fedorov, S. G. Kushner, et al. RUSSIAN, per, Nauch Dok Vysshey Shkoly, Biol Nauk, No 2, 1962, pp 160-165.

***USDA**

THE REPORT OF THE PROPERTY OF

The Use of Preserved Bone-Cartilage Homo-transplants in Plastic Surgery of the Hip Joint, by F. R. Bogdanov, V. N. Levenets, 7 pp.
RUSSIAN, per, Novyy Khirur Arkhiv, No 4, 1962, pp 31-35.

JPRS 14634

Selected Articles From the Russian Periodical Patolog Fiz i Eksper Terapiya, Vol VI, No 2, 1962.

JPRS 14767

The Condition of the Central Autonomic Regulation of Cardiac Activity in Irradiated Animals, by N. P. Smirnova, 13 pp, (pp 18-22).

Cholinesterase Activity of the Blood Serum of Dogs Subjected to General Gamma-Irradiation, by B. I. Davydov, 8 pp, (pp 23-25).

The Dynamic of Restoration of Heompoiesis in Irradiated Mice Following Bone Marrow Transplantation, by I. I. Zaretskiy, V. P. Reshchikov, 13 pp, (pp 26-30).

The Development of Acidosis in a Focus of Normergic and Hyperegic Inflammation, by G. G. Malkumova, 12 pp, (pp 31-35).

And the second of the second o

Selected Articles From the Russian Periodical Patolog Fiz i Eksper Terapiya, Vol VI, No 2, 1962. (Contd)

JPRS 14767

The Significance of Tissue Thermometry During Infliction of Burns Under Experimental Conditions, by N. I. Kochetygov, 5 pp, (pp 68, 69).

Biochemistry of Burn Sickness, by T. L. Zayets, 25 pp, (pp 76-82).

Collagen Diseases in Children, by Yu. F. Dombrovskaya, L. A. Isayeva, 34 pp. RUSSIAN, per, <u>Pediatriya</u>, No 5, 1962, pp 9-20.

JPRS 14746

On the Problem of Determining Vasomotor Innervation and Diagnosis of Arterios-clerosis by the Method of Arterial Piezography, by V. S. Shaginyan, 8 pp.
RUSSIAN, per, Soobshcheniya Ak Nauk Gruzinskoy SSR, Vol XXVIII, No 3, 1962, pp 375-380.

JPRS 14794

Effect of Ionizing Radiation on the Upper Respiratory Tract of Experimental Animals, by R. I. Stepanova, 6 pp.
RUSSIAN, per, Sovetskoye Zdravookhraneniye Kirgizii, No 2, Mar/Apr 1962, pp 34-38.

JPRS 14861

Characteristics of Perspiration During Acclimatization in a Desert, by P. A. Solomko, 9 pp.
RUSSIAN, per, Sovetskoy Zdravookhraneniye Kirgizii, No 2, Mar/Apr 1962, pp 39-44.

JPRS 14861

Hygienic Problems of the Climate and Microclimate in the City of Frunze, by I. M. Khakhalina, 7 pp.
RUSSIAN, per, Sovetskoy Zdravookhraneniye Kirgizii, No 2, Mar/Apr 1962, pp 44-49.

JPRS 14861

Selected Articles From the Russian Periodical Trudy Vses Inst Eksper Vet.

Vol XXIII,	1959.
Scientific	Achievements in the Control of
	Diseases of Large and Small
Cattle, by	M. D. Polykovskiy, (pp 215-244).
9090892	

USDA Tr V-1776

Fundamental	Results of Scient	entific Research
	Foot-and-Mouth	
USSR, by L.	S. Ratner, (pp	245-256).
9090890		

USDA Tr V-1774

Achievements in the Realm of Study of Brucellosis in Animals, by E. S. Orlov, (pp 257-275). 9090891

USDA Tr-V-1775

Results of Studies of Infectious Swine Diseases in USSR During the 40 Years of Existence of the Soviet Government, by P. S. Solomkin, (pp 282-294). 9090893

USDA Tr V-1777

Kazan' Scientific-Research Veterinary Institute, by A. D. Smirnov, Sh. Kh. Kharisov, (pp 324-330). 9090894

USDA Tr V-1778

Kirgiz Scientific Research Institute of Animal Husbandry and Veterinary Medicine, by I. N. Chashkin, (pp 354-355). 9090901

USDA Tr V-1785

Tadzhik Scientific Research Institute of Animal Husbandry and Veterinary Medicine by N. G. Stepanova, (pp 356-358). 9090902

USDA Tr V-1786

West-Kazakhstan Scientific Research Veterinary Station, by P. I. Ostrovidov, (pp 371-373). 9090903

USDA Tr V-1787

Irkutsk Scientific-Research Veterinary Station, by V. Zotov, (pp 374-375). 9090904

USDA Tr V-1788

* Commence

Selected Articles From the Russian Periodical Trudy Vses Inst Eksper Vet. (Contd)

Vol XXIII, 1959. Kuibyshev Scientific Research Veterinary Station, by N. B. Ezovitov, (pp 384-388). 9090906

USDA Tr V-1790

List of Dissertations Defended at the Council of the All-Union Institute of Experimental Veterinary Medicine for the Purpose of Obtaining on Academic Degree of Doctor and Candidate of Veterinary and Biological Sciences During the Years 1935-1957, by P. A. Stepanov, (pp 458-474). 9090907

USDA Tr V-1791

Vol XXV, 1961. Development of the Method of Rapid Diagnosis of Avian Tuberculosis, by O. A. Polyakova, (pp 78-88). 9090896

USDA Tr V-1780

New Biological Methods for Identification of the Virus Types of Foot-and-Mouth Disease, by L. S. Ratner, V. A. Sergeyev, (pp 89-98).

*USDA

Results of Testing the Experimental Rabbit Vaccine for Control of Foot-and-Mouth Disease, by F. F. Lutsevich, (pp 99-102).

***USDA**

Pathological Changes in the Organism of Cattle Caused by Malignant Foot-and Mouth Disease, by V. A. Shubin, (pp 103-108).

*USDA

Characteristics of Morphological Composition and Physical-Chemical Properties of Blood in Reindeer Under Immunization With Vaccine STI to Control Anthrax, by Yu. P. Kvitkin, (pp 113-121).

#USDA

Development of Highly Specific, Precipitable and Anti-Anthrax Serum, by A. Ya. Meshcheryakov, (pp 384-398).

#USDA

Methods of Specific Prophylaxis of Botulism of Cattle and Sheep, by M. D. Polykovskiy, A V. Lyauskhin, (pp 399-410).

#USDA

New Methods for the Study of the Immunology of Tumors, by L. A. Zilber. RUSSIAN, per, <u>Uspekh Sovrem Biolog</u>, Vol XXVII, 1949, pp 185-210.

CSIRO

On the Specific Component of Malignant Tumors, by L. A. Zilber. RUSSIAN, per, Uspekh Sovrem Biolog, No 30, 1950, pp 188-221.

CSIRO

Experimental Biology and New Concepts of Immunogenesis, by N. N. Zhukov-Verezhnikov, I. N. Maisky, G. P. Tribulev.
RUSSIAN, per, Vest Ak Med Nauk SSSR, No 4, 1962, pp 65-70.

*FTD-TT-62-1164

Treatment of Varicose Dilated Veins of the Lower Extremities by the Electroocoagulation Method, by A. N. Muranov, 4 pp. RUSSIAN, per, Vest Khir imeni I. I. Grekova, Vol LXXXVIII, No 5, 1962, pp 72-74.

JPRS 14640

Prevention of Scar Contractures Following Burns in Children, by P. V. Zav'yalov, 3 pp. RUSSIAN, per, Vest Khir imeni I. I. Grekova, Vol LXXXVIII, No 5, 1962, pp 116, 117.

JPRS 14640

Higher Nervous Activity and Milk Secretion, by I. I. Grachev. RUSSIAN, per, Vest Leningrad U, Ser Fiz, Vol IV, No 21, 1958, pp 110-124.

NLL RTS 2072

Concerning the 60th Anniversary of the Central Veterinary Institute of Infectious and Parasitic Diseases in Sovia, Bulgaria, by I. Chenchev. RUSSIAN, per, Veterinariya, Vol XXXIX, No 1, 1962, pp 86-87.

#USDA

Session Devoted to the 6th Anniversary of the Bulgarian Central Veterinary Institute for Infectious and Parasitic Diseases, by Ya. R. Kovalenko, V. S. Ershov.
RUSSIAN, per, Veterinariya, Vol XXXIX, No 1, 1962, p 88.

***USDA**

1962.

African Plague of the Solid-Ungulates, by A. P. Zotov. RUSSIAN, per, <u>Veterinariya</u>, Vol XXXIX, No 5, 1962, pp 65-72.

*USDA

Biochemistry of the Heart Muscle in Myocardial Infarcts, by V. M. Rubel', 16 pp. RUSCIAN, per, <u>Voprosy Medit Khimii</u>, Vol VIII, No 3, May/Jun 1962, pp 227-236.

JPRS 14835

Time Perception and the Principle of Feedback, by D. G. El'kin, 5 pp.
RUSSIAN, per, Voprosy Psikhologii, Vol VIII,
No 2, 1962, pp 151-155.

JPRS 14901

Ten-Day Session of Chief Physicians and Conferences of Medium-Level Medical Workers in the Psychiatric Service of Kazakhstan, by M. Kh. Gonopol'skiy, 5 pp. RUSSIAN, per, Zdravookhraneniye Kazakh, No 3, 1962.

JPRS 14793

Visiting Session of the Academy of Medical Sciences in Alma-Alta, by G. M. Varshavskiy, 9 pp. RUSSIAN, per, Zdravookhraneniye Kazakh, No 3,

JPRS 14793

Selected Articles From the Russian Periodical Zhur Mikrobiol Epidemiol i Immunobiol.

1956, pp 44-48.
Reaction and Allergic Reaction in Persons
Revaccinated Against Tularemia, by V. V.
Slesarenko, S. G. Buyalo, 6 pp.

ACSI I-0918 ID 2191512

No 4, 1962, pp 9-14.

A Study of Optimal Conditons for the Formation of the Anthrax Extracellular Protection Antigen on Milk Medium, by N. I. Aleksandrov.

#USDA

Selected Articles From the Russian Periodical Zhur Mikrobiol Epidemiol i Immunobiol. (Contd)

Vol XXXIII, No 5, 1962. Significance of Dosage of the Diphtheria Toxoid in Primary Inhalation Immunization and Reimmunization in an Experiment With Animals, by S. N. Muromtsev, N. A. Borodyuk, (pp 19-23). 9090898

USDA Tr V-1782

Study of the Combined Action of Diphtheria and Staphylococcus Toxins in the Animal Organism, by V. S. Khait, (pp 23-26). 9090899

USDA Tr V-1783

Some Additional Contributions to the Classification of Epidemic Diseases, by V. D. Belyakov, (pp 126-129). 9090900

USDA Tr V-1784

No 7, 1962.

*USDA

Aerosol Immunization With Dry Dust Vaccines and Toxoids. Communication VIII. Study of the Method of Aerosol Immunization With Dust Anti-Plague Vaccine on a Wide Contingent of People, by N. I. Aleksandrov, et al, (pp 46-50).

Clinical-Epidemiological Characteristic of an Outbreak of Botulism, Connected With the Use of Canned Flounder for Food, by V. M. Bauman, V. N. Yagodinskiy, et al, (pp 92-95).

Changes in the Biopotentials of the Human Brain In connection With Physical Work, by M. P. Ivanova, 15 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel ime...i I. P. Pavlova, Vol XII, No 2, 1962, pp 202-207.

JPRS 14796

The After-Effect of Singly and Repeatedly Acting Centripetal Accelerations on the Higher Nervous Activity of Animals, by A. S. Barer, 14 pp.
RUSSIAN, per, Zhur Vysshey Nerv Deyatel imeni I. P. Pavlova, Vol XII, No 2, 1962, pp 332-337.

JPRS 14796

Principles of Medical Defense Against Atomic, Bacteriological and Chemical Warfare, by Iv. Nikolov, 222 pp. BULGARIAN, bk, Osnovi na Mediko Sanitarnata Zhashtita, 1959, pp 207-316.

JPRS 14655

Acute Appendicitis, by Tsung Hsien-chiu, 82 pp. CHINESE, per, Chi-hsing, Lan-wei-yen, Vol II, Dec 1959, pp 251-261.

JPRS 14686

Recent Development in Antibiotics, by Tai Tzu-ying, Hsu Chao-hu, 46 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 4, 1962, pp 20-31.

JPRS 14756

The Denervated Muscle, by E. Gutmarn, 366 pp. CZECH, bk.

ÇВ

Aggression and Reanimation in Neuropsychiatry, by R. Coirault. FRENCH, bk.

*CB

Serpents and Venins; Bites and Treatments, by P. L. Dekeyser, J. Derivot.

FRENCH, rpt, Bulletin of Information and
Correspondence of French Institute of
Black Africa, No 85, Spec No January 1960, pp 1-36.

*Navy/BUMED D/N-62-115

Sodium Carboxymethylcellulose, 4 pp. FRENCH, per, Annales Pharmaceut Franc, Vol XVIII, No 6, 1960, pp 454-456.

NIH 5-16-62

Evolution and Seat of Exchanges of Water Between Maternal Fluid Cavity and Products of Conception in Relations to Stage of Gestation in Human Pregnancy, by M. Grynfogel, A. Plentl.

FRENCH, per, Comptes Rendus, Vol CCL, No 8, 1960, pp 1563-1565.

CSIRO 5173

Importance of the Determination of Serum Transaminases and Lactic Acid Dehydrogenase in Clinical Practice, by N. Brouhon, 15 pp. FRENCH, per, Journal de Pharmace de Belgique, Vol XVI, 1961, pp 286-300.

NIH 5-9-62

Problems Faced by the Hematologists in the Treatment of Subjects Irradiated Accidentally With a High Dose, by Georges Mathe, 11 pp. FRENCH, per, Revue Hematol, Vol XV, No 1, 1960, pp 3-9.

AEC SCL-T-424

Lesions and Pathogenesis of Microcystic Degenerescence of the Voaries, by Emile Forgue, Georges Massabuau, 8 pp. FRENCH, per, La Presse Medicale 18, 1910, pp 421-423.

NIH 5-33-62

The Metabolism of Collagen. III. Catabolism and Turnover, by A. Delaunay, S. Bazin, 7 pp. FRENCH, per, Revue Franc Etudes Clin et Biol, Vol III, No 10, 1958, pp 1101-1105.

NIH 5-8-62

Cerebral Function in Infancy and Childhood, by Albrecht Peiper, 700 pp. GERMAN, bk.

СВ

The Oral Cavity, by S. Schumacher, 23 pp. GERMAN, bk, <u>Handbuch der Anatomie des</u>
Menschen, Vol V, Part 1, 1927, pp 1-22.

NIH 5-5-62

Viscearal Erythematosus, by P. Miescher, K. O. Vorlaender, 23 pp. GERMAN, bk, Die Immunopathologie in Klinik und Forschung, 1957, pp 494-525K.

NIH 5-36-62

Neurotic Ulcer of the Oral Mucosa, by J. Loblowitz, 14 pp. GERMAN, per, Archiv fur Dermatologie und Syphilis 102, 1910, pp 191-206.

NIH 5-6-62

The Action of Ceratrum Alkaloids on a Sympathetic Ganglion, by H. Konzett, E. Rothlin.
GERMAN, per, Archiv fuer Experimentelle Pathologie und Pharmakologie, Vol CCXXV, 1955, pp 101-104.

CSIRO

Contribution to the Study of Tristeza. I. Transmission of Tristeza by Ticks and Associated Problems of Immunity II, by F. Rosenbusch, R. Gonazlez. GERMAN, per, Archiv fur Protistenkunde, Vol L, No 3, 1925, pp 443-485, No 2, pp 300-320.

CSIRO 4649

Post-Maturation Treatment of Mongolism, by H. Haubold, 30 pp. GERMAN, per, Artzliche Forschung, Vol IX, No 5, 1955, pp 211-228.

NIH 5-46-62

On the Binding Capacity of Erythrocytes for Iso-Agglutinins in Individual Periods of Life, by Hans Lodenkamper, Gerd Stienen, 6 pp.

GERMAN, per, Artzliche Wachr, Vol VIII, 1952, pp 110-114.

NIH 5-44-62

On Steriod Conjugates in Plasma; I. Isolation of Sulfate-, Phosphate- and Lipid-Containing L7-Ketosteroid Conjugates From Human Blood Plasma, by Dr. George W. Oertel, 7 pp. GERMAN, per, Biochem Z. Vol CCCXXXIV, No 5, 1961, pp +31-440.

NIH 5-41-62

Virus Excretion and Formation of Antibodies After the Use of a Trivalent Live Poliomyelitis Vaccine by Enders-Ruckle, Gisela and Rudolf Siegert, 18 pp. GERMAN, per, Deutsche Medizinische Wochenschrift,

Vol LXXXVI, No 42, 1961, pp 1999-2008; Vol LXXXVI, No 43, 1961, pp 2060-2062.

NIH 5-35-62

Pathology, Diagnosis, and Therapy of Diseases of the Temporomaxillary Joint. Physiological-Development Bases for Understanding Normal and Abnormal Development of the Face and Jaws, by H. Bautzmann, 15 pp. GERMAN, per, Fortschritte der Kiefer- und

Gesichts-Chiururgie, Vol VI, 1960, pp 1-15.

NIH 5-11-62

On Antibodies Against Nuclear and Cytoplasmic Cell Components Inlupus Erythematosus Disseminatus and Some Other Diseases, by H. Deicher, H. R. Holman, 4 pp.

GERMAN, per, Gastroenterologia, Vol XCV, 1959, pp 270-276.

NIH 5-24-62

On Biological Competition in Case of Simultaneous Double Inoculations of Tumors, by G. Csaba, 4 pp. GERMAN, per, Geschwulstforschung, Vol XVIII, No 1, 1961, pp 17-21.

NIH 5-4-62

Vascular Conduction, by B. Huber. GERMAN, per, Handbuch der Pflanzenphysiologie, Vol III, 1956, pp 541-582.

CSIRO 5191

Report of the Second Committee on the Permissible Dosage for Internal Radiation, 71 pp.

GERMAN, per, Kernenergie, No 10/11, 1961, pp 117-179. 9665932

FTD-TT-62-668

New Clinical Method for Measuring Electrochemically the Oxygen Dissolved and Fixed in Blood, by K. Dameschke, E. Saling. GERMAN, per, Klin Wochenschrift, Vol XXVII, No 15, 1959, pp 826-828.

Enzymes in Tumor Diagnosis and Biochemical Studies in the Postoperative Course of Tumor Patients, by J. Rehn, 4 pp. GERMAN, per, Langenbechs Arch Klin Chir, Vol CCXCV, 1960, pp 779-783.

NIH 5-3-62

The Problem of Extrapyramidal Motor Disturbances During Medication With Psychotopic Drugs, by A. Veltin, 5 pp. GERMAN, per, Medicina Experimentalis, Vol II, No 2-4, 1960, pp 141-147.

NIH 5-20-62

Experiences With Rapidosept for Disinfecting Hands in Surgical Practice, by O. Scherm, 3 pp. GERMAN, per, <u>Munch Med Wochenschrift</u>, Vol CII, 1960, pp 2105-2106.

NIH 5-27-62

The Technique of the Ingestable Intestinal Transmitter, by Manfred von Ardenne, 26 pp. GERMAN, per, Nachrichtentechnik, Vol IX, No 10, 1959, pp 449-456.

Patent Office Sci Lib

On the Effect of Hydrogen Ion Concentration and the Co2 Pressure in the Cerebrospinal Fluid on the Respiration, by H. H. Loescheke, H. P. Koepchen, 10 pp. GERMAN, per, Pflugers Archiv, Vol CCLXVI, 1958, pp 569-585.

NIH 5-37-62

Water and Electrolyte Flow in the Vascular Counter-Current System of the Renal Medullar. With a Theoretical Contribution by R. Schlogl: "Salt Transport Through Uncharged Porous Membranes," 10 pp, by K. J. Ullrich, G. Pehling.
GERMAN, per, Pflugers Archiv, Vol CCLYVIII, 1961, pp 562-572.

NIII 5-13 62

On Sensory Impulses in Cardiac Nerves, by A. Amann, H. Schaefer, 27 pp. GERMAN, per, <u>Pflugers Arch fuer Die Gesamte</u> Phys, Vol CCXLVI, No 6, 1943, pp 757-789.

NIH 5-12-62

New Therapeutic Possibilities in Mongolism, by H. Haubold, 14 pp. GERMAN, per, Therapiewoche, Vol V, No 11/12, 1955, pp 275-282.

NIH 5-28-62

Experimental Investigations on Damage to the Inner Ear From Noise, by H. Gerstner. GERMAN, per, Z. fuer Hals-Nasen- und Ohrenheilkunde, Vol XLVIII, 1941/1943, pp 478-494.

CSIRO

A New Method of Measuring Rigor Mortis, by G. Nemitz. GERMAN, per, Z. fuer Lebensm-Untersuch Und Forsch, Vol CXII, No 4, 1960, pp 261-272.

CSIRO 5316

The Sol-Gel Transformation of Purified Actomyosin and of Actomyosin During the Extraction of Fresh and Glycerin-Treated Muscle Fibres Depending on Their Ions, Ionic Intensity, and ATP, by W. Hasselbach, et al.

GERMAN, per, Z. fuer Naturforschung, Vol LXXXVI, 1953, pp 204-211.

CSIRO 5334

The Detection of Antimalarial Agents Inbody Fluids and Excretions. First Report: An Improved and Simplified Field Test to Determine Chloroquine (Resochine) in the Urine, by G. Fuhrmann, 9 pp. GERMAN, per, Z. fuer Tropenmed u Parasitol, Vol XII, No 2, 1961, pp 152-160.

NIH 5-31-62

Institute of "Book Pathology". ITALIAN, bk, <u>Documenti di Vita Italiana</u>, Vol CXIII, 1961, pp 8999-9005.

NZDIA

Compulsory Blood Donation, by C. A. Ragazzi, 4 pp.
ITALIAN, per, <u>Annali Sclavo</u>, Vol IV, No 1, 1962, pp 103-106.

NIH 5-40-62

Bacterial Sulphatases and Dental	Caries, by
A. Candeli, A. Tronieri.	
ITALIAN, per, Boll Soc Ital Biol	Speriment,
No 27, 1951, pp 651-653.	

CSIRO 3917

Horizontal Chromatography; New Method for the
Study of the Types of Haemoglobia, by G.
Sansone, F. Cusmano.
ITALIAN, per, Boll Soc Ital di Biol
Sperimentale, Vol XXVII, 1951, pp 1369-1371.

CSIRO

Total Body Irradiation Activity in Muscle and		
L. Tessari, 3 pp.		
ITALIAN, per, Boll Soc		Sperimentale,
Vol XXXVI, 1960, pp 791	+ - 796.	

NIH 5-42-62

Behavior of Serum Lactic-Dehydrogenase Activity
in Neoplasms of the Skeleton, by F. Pipino,
10 pp.
ITALIAN, per, Chirurgia Degli Organi di
Movimento, Vol XLIX, No 3, 1960, pp 230-237.

NIH 5-18-62

Serum Enzyme Variations	in Bearers of Malignant
Tumors Report III Lac	tic-Dehydrogenase, by
D. Gullino, G. Papotti, ITALIAN, per, Minerva Cipp 274-279.	12 pp. hirurgica, Vol XVI, 1961,

NIH 5-23-62

Behavior of Lactic Dehydrogenase in Infectious Diseases, by A. Baldi, N. Russo, 6 pp. ITALIAN, per, Riforma Medica, Vol LXXIV, 1961, pp 575-576.

NIH 5-38-62

Site of Action of Chlorpromazine on the Central Nervous System, by Shuji Takaroi, 18 pp. JAPANESE, per, Nihon Yakurigaku Zasshi, Vol LIV, 1958, pp 7-20.

NIH 5-2-62

The Present Status and Future Development of Germ Free Animal Research, by M. Miyakawa, 17 pp.

JAPANESE, per, Misshin Igaku, Vol XLVIII, 1961, pp 353-366.

NIH 5-29-62

Interaction of Steroidal Hormone With Serum Protein Report No. VI Physiochemical Properties of Protein-Bound Steroids Part (3), by Hiroo Takikawa, 7 pp.

JAPANESE, per, Yakugaku Zasshi, Vol LXXVIII, No 11, 1958, pp 1296-1301.

NIH 5-34-62

Infestation With Ticks and Infection With Babesia and Anaplasma, by F. Rosenbusch, R. Gonzales.

SPANISH, per, Revista de Medicina Veterinaria, Vol VI, No 15/16, 1923/1924, pp 683-703.

CSIRO 4607

Acquired Toxoplasmosis, by S. Belfrage, U. Bergdahl, 9 pp. SWEDISH, per, Nordisk Medicin, Vol LVIII, No 48, 1957, pp 1849-1852.

NIH 5-7-62

Experimental Investigation of Rabbit Mcrtality Due to a Filterable Virus, by J. Jansen. SWEDISH, per, <u>Tidjschrift voor Diergeneeskunde</u>, Vol LXIX, No 15, 1942, pp 505-514.

CSIRC

On the Interrelationships of Living Cells and the Environment (A Report to the Sixth Congress of the Ukrainian Society of Physiologists, Odessa, 1961), by D. S. Vorontsov, O. O. Bogomolets, 11 pp.
UKRAINIAN, per, <u>Fiziologichnyy Zhur</u>, Vol VIII, No 1, 1962, pp 13-20.

JPRS 14868

D. S. Vorontsov's Phenomenon in One Neurometor Unit, by S. I. Fudel'-Osipova, 7 pp. UKRAINIAN, per, Fiziologichnyy Zhur, Vol VIII, No 1, 1962, pp 38-43.

JPRS 14868

Scientific Minerals/Metals

The Excavation of Coals and Minerals... a Collection of Articles, by A. M. Terpigorov, M. M. Protod'yakonov. RUSSIAN, bk, 1958.

*RAND

Experimental Investigations on the Movement of Dislocations in Metals, by O. I. Mgebryan, (SF-2325).
RUSSIAN, bk, Eksperimental'nyye
Issledovaniya po Dvizheniyu Dislokatsiy v
Metallakh, 1961, pp 5-189.

*JPRS

Effect of Irradiation as a Material Science Problem, by S. T. Konobeyevski, 22 pp. RUSSIAN, rpt, International Colloqium "The Impact of Science on Materials Technology" Held in Argentina, 2-7 Apr 1962. 9089604

AEC Tr-5181

The Relation Between Density of Dislocations Thermo-e. m.f. and Hardness, by S. D. Gertsriken, N. N. Novikov.

RUSSIAN, bk, Issledovaniya po Zharoprochnym Splavam, Inst Metallurgii imeni A. A. Baikova, Vol VI, 1960, pp 105-111.

NLL M. 3656

The Critical Currents of Cold-Worked Nb-Zr Alloy, by V. D. Borodich, A. P. Golub', et al. RUSSIAN, rpt, I. V. Kurchatov Institute of Atomic Energy, 1962.

*AERE, Harwell

Stress-Corrosion Cracking of Metals, by V. V. Romanov, 151 pp. RUSSIAN, bk, Korrozionnoye Rastreskivaniye Metallov, 1960.

OTS 60-51084 PL-480

Minerals of Uranium: Reference Book, by M. V. Soboleva, I. A. Pudovkina. RUSSIAN, bk, Mineraly Urana: Spravochnik, 1957, 455 pp.

AEC Tr-4487

Technological Characteristics of Deep-Drawing of Sheets From Heat-Resisting and Titanium Alloys, by Y. P. Davydov. RUSSIAN, bk, Obrabotka Zharoprochnykh Splavov, Ak Nauk SSSR, 1960, pp 67-74.

THE PROPERTY OF STREET

NLL M. 3654

Scientific
Minerals/Metals (Contd)

Investigation of the Process of the Reduction of Iron Ore Concentrates During the Coking of Ore-Coal Mixtures, by K. I. Syskov, Tszi-Lyon, V. A. Preobrazhenzkiy.

RUSSIAN, bk, Stal' Sbornik Statei, 1961, pp 3-12.

*BISI 2952

Selected Articles From the Russian Book Svarka Tsvetnykh Splavov Redkikh Metallov i Plastmass, Vol CI, 1961. 9677882

FTD-TT-62-123

Vacuum Electron-Beam Welding of Metals, by N. A. Ol'shanskiy, Yu. N. Zorin, 28 pp, (pp 5-28).

Fusion Welding of Technical Molybdenum, by N. A. Ol'shanskiy, A. V. Mordvintseva, 25 pp, (pp 29-48).

Ultrasonic Spot-Welding of Aluminum Alloys, by N. A. Ol'shanskiy, M. N. Krumbol'dt, 67 pp, (pp 49-99).

Use of Ultrasound for Welding Metals Used in the Electronic Industry, by B. V. Amosov, 11 pp, (pp 100-107).

Elimination of Buckling in Thin-Sheet Welded Structures by Surface Rolling, by S. A. Kurkin, V. A. Vinokurov, 15 pp, (pp 186-196).

The Influence of Argon and Type 18-8 Welding Wire Composition on the Properties of Seam Metal, by A. I. Akulov, V. V. Spitsyn, 7 pp, (pp 236-240).

Welding Equipment for Automatic Electric Arc Welding of Curved Joints, by N. S. L'vov, A. P. Igoshin, 18 pp, (pp 241-252). Scientific Minerals/Metals (Contd)

X-Ray Study of the Phase Composition of Lead-Calcium Alloys, by M. P. Smirnov, V. E. Rudnichenko, 16 pp. RUSSIAN, per, Analiz Rud Tsvetnykh Metal i Produktov ikh Pererabotki, Sbornik Nauch Trudov, No 12, 1956, pp 150-162.

AEC Tr-5129

Tungsten and Vanadium Bronzes, by R. P. Ozerov, 5 pp. RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCIX, 1954, pp 93-95.

AEC Tr-5131

A Heat Resistant Cast Chrome Steel, as a Material for the Components of Power Installations With an Operating Temperature of Up to 600° C, by E. E. Levin, E. N. Masaleva.

RUSSIAN, per, Energomash, Vol VIII, May 1962, pp 24-27.

*BISI 2947

The Effect of Substructure on the Creep of Nickel, by V. M. Rozenberg.

RUSSIAN, per, Fiz Metal i Metallov, Vol XI, No 6, 1961, pp 899-909.

NLL M. 3652

Raising the Creep Strength of Metallic Alloys by the Method of Combined Mechanical and Thermal Treatment, by I. A. Oding, Z. G. Fridman.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Topliv, No 5, 1961, pp 75-77.

NLL M. 3640

The Effect of Load on the Process of Isothermal Sintering of Metallic Powders, by M. Y. Bal'shin, A. A. Trofimova. RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, Metal i Topliv, No 6, 1961, pp 45-51.

NLL M. 3638

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian Periodical Iz Vysshikh Ucheb Zaved, Chern Metal.

No 5, 1961, pp 50-57. Improvements in Production Process of Ball-Bearing Steel, by I. A. Baranov, G. N. Oiks, et al. HB 5549

Vol IV, No 9, 1961. Electrolytic Phenomena in the Process of Electroslag Heating of Ingots, by V. I. Yavoiskiy, et al, (pp 32-43).

NLL M. 3643

The Behaviour of Hydrogen During the Electroslag Heating and Topping-up of Ingots, by S. S. Bektursunov, et al, (pp 44-53).

NLL M. 3642

Vol IV, No 12, 1961.
Basic Directions for the Development of Quality Metallurgy (of Steel) in the USSR in Coming Years, by N. M. Chuiko, (pp 50-53).

NLL M. 3634

Distribution of Alpha Phase Over the Fatigue Fracture of 18-9 Ti Stainless Steel, by A. G. Yakhontov, P. M. Kozlov, (pp 114-116).

HB 5542

No 3, 1962, pp 60-66. Effect of Rare-Earth Elements on the Surface Tension of Liquid Iron, by A. F. Vishkarev, et al.

HB 5600

Investigation of the Process of Anodic Dissolution of Crude Nickel, by B. V. Lipin, O. P. Kalganova. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal, Vol IV, No 5, 1961, pp 81-89.

NLL M. 3646

Scientific
Minerals/Metals (Contd)

Company of the second

A CONTRACTOR OF THE PROPERTY O

Some Factors Affecting the Deep Prawing of Sheet Steel, by P. G. Kovtun, O. A. Rozhkov. RUSSIAN, per, Kuznechno-Shtampovochnoye Proiz, No 6, 1961, pp 7-13.

*BISI 2904

Rare-Metal Ankeritic Carbonatites of the Sebl'-Yavr Massif, Kola Peninsula, by A. G. Bulakh.
RUSSIAN, per, Materialy Vses Nauchno-Issled Geol Institut, No 45, 1961, pp 3-14.

Dept of Interior (570) MnE

Selected Articles From the Russian Periodical Metall i Term Obrabotka Metallov.

No 7, 1956, pp 16-23.
Aging of Tin-Lead Solders and Joints
Made From Them, by A. S. Medvedev.

*AEC

No 10, 1958, pp 11-17. Effect of Transformations on Stress Relaxation During the Tempering of Steel 30KHCSNA and Aging of Aluminum Alloy B95, by A. A. Gol'denberg. HB 4389

No 7, 1960. Cause of the Reduced Fatigue Strength of Steel in Contact Areas, by L. V. Kudryavtsev, et al, (pp 3-7).

HB 5442

Effect of Work Hardening on (High-Temperature) Deformation of (18-9) TI Steel LKHL8N9T, by A. V. Stanyukovich, (pp 7-14).

HB 5443

Effect of Heat Treatment on Residual Stresses in Ferromagnetic Layers, by B. F. Rotenshtein, A. P. Muntianu, (pp 15, 16).

HB 5444

Effect of Low Tempering on Mechanical Properties of Carburizing Steels 30KHGT and 20KHN3A, by S. S. Khachaturov, G. N. Epshtein, (pp 17-19).

HB 5445

- 269 -

Scientific Minerals/Metals (Contd)

Selected Articles From the Russian Periodical Metall i Term Obrabotka Metallov. (Contd)

No 7, 1960. Behavior of Alloys Under Dry Friction at Elevated Temperatures, by L. A. Chatynyan, O. E. Kestner, (pp. 19-24).	НВ 5446
Study of Softened Zone During Welding of Steels, by S. S. D'yachenko, et al, (pp 24-26).	НВ 5447
Effect of Work-Hardening on Progressive Damage Under Thermal Fatigue, by Ya. B. Fridman, V. L. Egorov, (pp 27-30).	НВ 5448
Sulfurizing and Properties of Sulfurized Steel and Iron, by A. V. Kriulin, (pp 31-40).	HB 5449
Boronizing in a Boron Trichloride Atmosphere, by M. A. Plechkina, Yu. M. Lakhtin, (pp 40-42).	НВ 5450
Nitriding of Titanium at Reduced Partial Pressure of Nitrogen, by A. V. Smirnov, A. D. Nachinkov, (pp 42-47).	HB 5451
Structure of Nitrided 11% CR, 1.5 W, 0.5% V Steel After Holding at High Temperatures, by A. V. Kostenko, et al, (pp 48-52).	HB 5452
Embrittlement of Steel in Nitridign for Rustproofing, by I. E. Scloveichik, (pp 52-54).	HB 5453
Investigation of Accelerated Heat Treatment of Precision Castings of Steel, by A. L. Belinkin, A. A. Shchennikova, (pp 55-57).	HB 5454

Scientific
Minerals/Metals (Contd)

Selected Articles From the Russian Periodical Metall i Term Obrabotka Metallov. (Contd)

No 7, 1960. Metallic Coating to Increase the Heat Resistance of Parts, by N. A. Solov'yev, (pp 58-61).

HB 5455

No 3, 1961.
Boronizing of High-Alloy Steels, by Yu. M. Lakhtin, M. A. Pchelkina, (pp 27-30).

HB 5660

Nitriding of Steel Under Ultrasonic Vibrations, by G. V. Zemskov, et al, (pp 40-42).

HB 5659

No 10, 1961. The Effect of Rare-Earth Metals on the Properties of a Heat Resisting Nickel-Chromium Alloy, by T. V. Svistunova, G. V. Estulin, (pp 13-16).

NLL M. 3650

The Effect of Some Elements on the Properties of S. G. Irons, by Y. G. Bobro, (pp 281-291).

NLL M. 3635

No 1, 1962. Influence of High-Temperature Plastic Deformation on the Mechanical Properties of Heat-Resistant Nickel-Base Alloys, by S. T. Kishkin, M. G. Lozinskiy, et al, (pp 38-40).

*FTD-TT-62-1169

Polygonization of Molybdenum Studied by High-Temperature Metallographic Methods, by M. G. Lozinskiy, M. L. Bernshteyn, T. V. Vershinskaya, (pp 57-64).

No 7, 1962, pp 24-26. Relaxation of Iron-Chromium-Nickel Alloys at High Temperatures, by A. M. Borzdyka.

HB 5681

Scientific Minerals/Metals (Contd)

Effect of Gaseous Phase Upon the Rolling of Metal Powders, by G. A. Vinogradov, I. M. Redorchenko.
RUSSIAN, per, Poroshkovaya Metallurgiya, Vol I, No 1, 1961, pp 61-67.

On the Periodic Dependence of Metal Compressibility, by V. A. Gladkovskiy. RUSSIAN, per, Sbornik Nauchno Tekh Trudy Nauch Issled Inst Metall Cheliabinst Sovnarkhoza, No 2, 1960, pp 163-167.

Turbidimetric Determination of Xanthates in Solution, by I. N. Plaksin, et al. RUSSIAN, per, Sbornik Nauch Trudov, Moskov Inst Tsvet Metallov i Zolota imeni M. I. Kalinina: Nauch- Tekh O-vo Tsvet Metallurgii, No 31, 1958, pp 305-307.

Elimination of Scrap Caused by Bright Streaks in Medium C-Steel, by S. A. Telesov. RUSSIAN, per, Stal, No 2, 1955, pp 136-142.

Electric-Welded Steel Pipes With a Spiral Seam, 6 pp.
RUSSIAN, per, Standartizatsiya, No 4, 1962, pp 46-49.

Brazing From Aluminum to SAP-1 Material and Titanium Alloy OT4, by Yu. S. Dolgov, D. L. Khadzhi, V. L. Grishin, 6 pp. RUSSIAN, per, Svarochnoye Proiz, No 6, 1962, pp 18-20.

The Content of Rhenium in Molydenites of the Kadzharan Copper-Molybdenum Deposits, by V. N. Gorokhova. RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Mineral Geokhim i Kristallokhimii Redkikh Elementov, Vol IV, 1960, pp 28-32. HB 5580

*AEC

NLL RTS 2018

Broken Hill Prop Co Ltd (CRL/T.689 Draft)

JPRS 14650

JPRS 14601

Dept of Interior G(570) Ac122m22E

Scientific
Minerals/Metals (Contd)

Rational Method of Quantitative Determination of Finely Disseminated Beryl in Greisen Ores, by S. I. Lebedeva.

RUSSIAN, per, Trudy Ak Nauk SSSR, Inst

Mineral Geokhim i Kristallokhimii Redkikh

Elementov, Vol IV, 1960, pp 209-213.

Dept of Interior G(570) Ac122m22E

The Present State of Our Knowledge of the Structure and Properties of Humic Acids in Mineral Coals, by T. Kukharenko.
RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh, Vol V, 1955, pp 11-35.

CSIRO 3539

Dynamics of Linear Shrinkage and Weight Losses in Briquettes During Their Coking, by G. V. Speranskaya, A. I. Golovanov. RUSSIAN, per, Trudy Inst Goryuchikh Iskopaemykh, No 10, 1959, pp 174-181.

Broken Hill Prop Co Ltd (CRL/T.621)

Investigation of Alloys of the System Nickel-Chromium by Hot Hardness Tests, by K. A. Osipov, E. M. Miroshkina. RUSSIAN, per, Trudy Inst Metallurgii imeni A. A. Baikova, Ak Nauk SSSR, No 3, 1958, pp 160-164.

NLL M. 3649

Wear Tests on the Material of Rolling-Millsrolls, by N. M. Vorontsov.
RUSSIAN, per, Trudy Mezh Nauch Tekh
Konferentsii na Temu, Vol II, 1959,
pp 367-372.

BISI 2531

Economics of Blast Pre-Heating in Shaft Furnace Smelting of Oxidized Nickel Ores, by I. D. Reznik, et al. RUSSIAN, per, Tsvetnye Metally, Vol XXXII, No 11, 1959, pp 31, 32.

NLL RTS 1938

Strip and Band From High-Purity Nickel, by S. I. Chizhov, B. S. Tikhonov. RUSSIAN, per, Tsvetnye Metally, Vol XXXIV, No 9, 1961, pp 78-81.

NLL M. 3648

The Theory of Electrical Resistance of Ordered Alloys of Transition and Non-Transition Metals, by Z. Matysina, A. Smirnov. RUSSIAN, per, Ukrain Fiz Zhur, Vol II,

No 1, 1957, pp 14-18.

CSIRO 3920

Theory of the Electrical Resistance of Alloys, by A. Smirnov. RUSSIAN, per, Ukrain Fiz Zhur, Vol II, No 3, 1957, pp 211-215.

CSIRO 3919

Drying and Preparation of Ore, by V. A. Arbuzov. RUSSIAN, per, Zavod Lab, Vol XXII, 1956, pp 599-601.

CSIRO

Lithium Metaniobate and Metatantalate, by A. V. Lapitskiy, Yu. P. Simanov. RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, No 7, 1955, pp 1201-1203.

*AEC

Rapid Determination of Lead in Niobium-Tantalate and Phosphate Minerals, by Ch'en Yu-wei, Ch'i Kuei-ying, 5 pp. CHINESE, per, K'o-hsueh T'ung-pao, No 3, 17 Mar 1962, pp 38, 39.

JPRS 14756

The Structure of the Iron-Iron Oxide Interface and the Insolubility of Oxygen in High Purity Iron, by R. Sifferlen. FRENCH, rpt, Publ Sci Tech de l'Air, Notes Techniques, Service Doc Inf Tech No N. T. 104, 1961.

*BISI 2924

The Action of Lime on Alumino-Silicate Refractories, by W. L. de Keyser, R. Wollast. FRENCH, per, Bulletin Societe Française de Ceramique, Jan/Feb 1961, No 50, pp 25-33.

BISI 2863

Al Administrates

Simple and Rapid Method for the Analysis of Antifriction Alloys, by M. E. Garate, M. T. Garate.
FRENCH, per, Chimie Analytique, 1958, pp 77-79.

CSIRO

Fluxes and Gas Porosity in Cast Aluminium Alloys, Some Practical Results, by B. Chauvelier.
FRENCH, per, Fonderie, Vol CLIX, No 9, 1958, pp 505-514.

CSIRO

Research Into the Use of Germanium in the Fabrication of Magnetic Sheet, by C. Decroly, V. Rixhon.

FRENCH, per, Memoires (les) Scientifiques de la Revue Metallurgie, Vol LVIII, No 12, 1961, pp 915-926.

BISI 2786

X-Ray Crystallographic Study of Non-Metallic Inclusions in Steels and Research Into Their Origins, by M. Ferrerc, G. Timo, F. Creton. FRENCH, per, Memoires (les) Scientifiques de la Revue Metallurgie, Vol LIX, Jan 1962, pp 75-78.

BISI 2784

Influence of the Method of Castin Aluminium on the Distribution of the Impurities and the Appearance After Anodic Oxidation, by H. Richaud.

FRENCH, per, Revue de 1'Aluminium, Vol XXXIII, No 237, 1956, pp 1069-1143, Revue de Metallurgie, Vol LI, No 1, 1954, pp 13-16.

CSIRO

Alumination of Iron and Ferrous Metals, by L. Grand. FRENCH, per, Revue de l'Aluminium, Vol CCXXXIX, 1957, pr 63-73.

CSI RO

Finding a Test Method by Which the Transmission of the Detonation of Charges in Coal Blasting Can Be Assessed, by E. Eitz. FRENCH, per, Revue de l'Industrie Minerale, 1957, pp 591-596.

The Forrer Separator, A New Apparatus for the Wet Magnetic Separation of Weakly Paramagnetic Substances, by J. de Robert, L. Casnabet.

FRENCH, per, Revue de l'Industrie Minerale, Vol. VIII. No. 3 1960 np. 669-677 IRSID

FRENCH, per, Revue de l'Industrie Minerale, Vol XLII, No 8, 1960, pp 669-677, IRSID Series A, (230), 1960.

Broken Hill Prop Co Ltd (CRL/T.617)

Selected Articles From the French Periodical Revue de Metallurgie.

A. C. C. C.

Vol LVII, Jul 1960, pp 573-587. Life of Ingot Moulds-Progress to be Made, by J. Duflot, J. Durand, J. C. Marjarie. *BISI 2892

Vol LVIII, Jun 1961, pp 465-482. The Use of Vacuum Purging During the Degassing of Metals in the Casting Ladle, by J. Verge, J. Duflot, E. Spire, et al.

*BISI 2944

Vol LVIII, Pec 1961, pp 1039-1048. Clad Stainless Stee! Plates, by P. Bastien.

BISI 2830

Vol LIX, Feb 1962, pp 147-159. Influence of the Rate of Testing on the Resistance of Metals to Plastic Deformation, by A. Krupkowski, A. Litwora. *BISI 2906

Vol LIX, Mar 1962. Method of Simulation by Torsion to Determine the Influence of Hot Rolling Conditions on the Structure of Steel, by C. Rossard, P. Blain, (pp 223-236).

*BISI 2940

The Influence of Copper and Tin on the Intrinsic Forgeability of Mild Steels, by F. E. White, C. Rossard, (pp 237-241).

*BISI 2928

Highlights of Activities of the Dortmund-Derne Mine Experiment Station for 1960, by D. von Konigslow. GERMAN, Monthly reports of the Dortmund-Derne Mine Experiment Station.

Dept of Interior TN7 E57 No 515

Machinability of Light Metals, by W. Spath. GERMAN, per, Aluminim, Vol XXIX, No 7/8, 1953, pp 292-297.

CSIRO 4167

Investigations and Studies on Metal Bonding Agents, by G. Kaliska. GERMAN, per, Aluminium, Vol XXXI, No 4, 1955, pp 151-156.

CSIRO

Selected Articles From the German Periodical Archiv fuer Eisenhattenwasen.

Vol XXVII, No 8, 1956, pp 531-537. Testing of Un-Alloyed Steel Subjected to Polyaxial Tension in Experiments Involving Internal Pressure. Part I, Appearance of Fracture in Specimens, by A. Krisch.

CSIRO

Vol XXVII, No 12, 1956, pp 767-775. Testing of Non-Alloy Steels Under Multiaxial Stress by Internal Pressure Experiments. Part II. Strength and Deformation of Test Pieces, by A. Krisch.

CSIRO

No 3, 1959, pp 169-185. On H. M. Schnadt's Hypothesis Concerning the Strength of Metals, by A. Krisch.

CSIRO

Vol XXX, No 7, 1959, pp 441-445. The Polygonization and Recrystallization Behaviour of Pure Iron With a View to the Production of Single Crystals, by A. Kochendorfer.

Selected Articles From the German Periodical Archiv fuer Eisenhuttenwesen. (Contd)

Vol XXXI, Feb 1960, pp 67-81. Reactions Between MgO and Fe Under Melts Under Reduced Pressure, by K. Brotzmann. *BISI 2916

Vol XXXII, Mar 1961, pp 133-144. Investigations on Scale Formation on Plate Rolled in Under Different Conditions, by P. Funke, W. Lueg. BISI 2743

Vol XXXIII, No 2, 1962. On the Behaviour of Copper, Phosphorus and Arsenic in the Electrolytic Decomposition of Iron Alloys, by W. Koch, (pp 85-89).

HB 5562

Contribution to X-Ray Fluorescence Analysis of Alloy Steels, by H. de Laffolie, (pp 101-106).

HB 5563

Investigations on Quench Ageing of Steels Containing Nitrogen by Measurement of Damping, Coercive Field Strength and Reformation, by N. Nacken, J. Rahmann, (pp 131-140).

BISI 2806

Vol XXXIII, Mar 1962. Investigation of the Structure of Creep Specimens of an Austenitic Chromium-Nickel-Niobium Steel, by A. Schrader, A. Krisch, (pp 167-175).

*BISI 2919

Ternary Systems Iron-Phosphorus-Niobium, by R. Vogel, W. Bleichroth, (pp 195-210).

*BISI 2931

Selected Articles From the German Periodical Archiv fuer Eisenhuttenwesen. (Contd)

Vol XXXIII, Apr 1962. Effect of Molybdenum on Structure, Hardness, and Notch Impact Strength of Niobium-Bearing Austenitic Chromium-Nickel Steels After Annealing at 650-850°C, by K. Bungardt, G. Lennartz, (pp 251-260).

*BISI 2897

Precipitation Phenomena in a Steel of Approx. 0.14% C, 0.6% Mo and 0.3% V and the Effect on Its Properties, by E. Baerlecken, H. Fabritius, (pp 261-268).

*BISI 2898

Application of Magnetic Balance for the Establishment of Equilibrium Diagrams of Iron Rich Systems in the Solid State. Investigation of the Iron-Phosphorus System, by K. Lorenz, H. Fabritius, (pp 269-275).

*BISI 2914

Vol XXXIII, May 1962, pp 281-284. Effect of Chemical Composition and of Rolling Conditions on the Yield Point of Killed Special Deep-Drawing Steel, by H. G. Rosenstock, H. F. Klarner, E. Schmidtmann.

*BISI 2930

Selected Articles From the German Periodical Berg-und Huttenmannische Monatshefte, Vol CVII, Apr 1962.

The Development of Continuous Steel Casting in Austria, by H. Trenkler, (pp 73-76).

BISI 2936

The Present State of the Continuous Casting of Steel, by J. Pearson, (pp 96-106).

BISI 2938

Selected Articles From the German Periodical Berg-und Huttenmannische Monatshefte, Vol CVII, Apr 1962. (Contd)

New Developments in the Sphere of the Continuous Casting of Steel in Belgium, by E. Lermusiaux, (pp 127-133).

*BISI 2937

Wide Strip From Continuously Cast Slabs, by E. Plockinger, B. Tarmann, (pp 134-144).

*BISI 2939

Selected Articles From the German Periodical Brennstoff-Chemie.

Vol XXXVIII, No 3/4, 1957, pp 51-54. Formation of Benzene During Pyrolysis of Coal, by G. Huck.

CSIRO 3755

Vol XXXVIII, No 13/14, 1957, pp 200-208. The Physical and Chemical Properties of Hard Coal Constituents VI. Yield of Coke and Other Constituents During Coking, by C. Kroger, F. Kuthe.

CSIRO 4039

Vol XL, No 8, 1959, pp 261-263.
Mineral Components of the Lignites of
South Arcot. II, Determination of the
True Ash and Mineral Contents, by S. K.
Majumdar, N. G. Banerjee.

Broken Hill Prop Co Ltd

Vol XLI, No 6, 1960, pp 166-170. Dependence of Swelling Pressure on Temperature During Coking, by W. Radmacher, H. Le Marie. Broken Hill Prop Co Ltd (CRL/T. 644 Draft)

The Drying Process in the Lurgi Retort and Its Effects on the LT Carbonisation Process Before and After the Reconstruction of the Predriers in Distillation Plant C of the A. Riebeck Montanwerke, by W. Pfaff. GERMAN, per, Bruankohle, Vol XLI, 1942, pp 509-515, 521-525.

MU

Recent Work on Phospho-Molybdenum-Blue Complexes and Their Employment for Photometric Determination of Phosphates, by K. Schriever, et al.

GERMAN, per, Deutsche Apotheker Zeitung, Vol XCVII, No 40, 1957, pp 889-892.

CSIRO

Improvement of Scaling Resistance of Hot-Strength Steels and Alloys by Surface Impregnation With Metals, by G. Becker, K. Bungardt.
GERMAN, per, Deutsche Technische Berichte, Vol I, No 4, 1961, pp 150-155.

HB 5561

Detonation Velocity and Detonation Traces of Thin Explosive Layers, by J. Sinabell. GERMAN, per, Explosivestoffe, No 6, 1961, pp 121-133.

Dept of Interior TN7 E57 No 522

Contribution to the Deoxidation of Open-Hearth Melts for Deep Drawing Steels With Aluminium, by M. Gohler, H. W. Fenzke. GERMAN, per, Freiberger Forschungshafte, No B44, Jun 1961, pp 92-103.

BISI 2842

Casting Temperatures and Casting Output in the Production of Forging Grade Ingot of Plain and Alloy Steel, by K. F. Ludemann, H. Fiedler, G. Breunung. GERMAN, per, Freiberger Forschungshefte, No B44, 1961, pp 104-115.

BISI 2843

Black-Heart and White-Heart Malleable Cast Iron - Two Different Materials?, by Helmut Lehmann. GERMAN, per, Giessereitechnik, Vol VI, No 1, 1960.

CSIRO

The Value of Grain Size in Assessing the Homogeneity of the Structure and the Transformation Behaviour of Steels, by A. Legat.

GERMAN, per, Harterei-Technische Mitteilungen, Vol XV, No 4, 1960, pp 218-222.

BISI 2767

Gas Emission and Gas Transmission of Metallic Vacuum Materials, by E. Waldschmidt, 20 pp. GERMAN, per, Metall, Vol VIII, No 19/20, 1954, pp 749-768. 9090532

ACSIL No 1353

The Nature of Discontinous Precipitation, by W. Gruhl, H. Kramer.
GERMAN, per, Metallwissenschaft und Technik, Aug 1958, pp 707-713.

*BISI 2933

The Influence of Pickling Hydrogen on the Properties of Silicon Alloy Steel Sheet, by S. Bohmer.

GERMAN, per, Neue Hutte, Vol VI, Jan 1961, pp 56-60.

BISI 2746

Practical Experience at the Detection of Delta Ferrite in Austenitic Steels Using Magnetic Field Techniques, by K. Spiegelberg, G. Beckmann.
GERMAN, per, Neue Hutte, Vol VII, Mar 1962, pp 167-174.

*BISI 2918

Investigation of the As-Cast Structure of a Conical 49-Ton Forging Ingot, by K. Skuin, K. L. Kiesel, W. Pabst, et al. GERMAN, per, Neue Hutte, Jul 1962, pp 408-411.

*BISI 2949

Energy and Working Requirements for Final Drawn Annealed Steels, by G. Junker. GERMAN, per, Schrauben, Muttern, Formteile, No 1, Feb 1961, pp 1-6.

*BISI 2926

Welding of Wheel Rims for Railway Rolling Stock by Means of Inert Gas Arc Welding, by H. Becker. GERMAN, per, Schweissen und Schneiden, Vol X, 1958, pp 442-444.

Semi-Mechanical Welding With CO₂ Protection in the Manufacture of Containers and Apparatus, by R. Faulstich. GERMAN, per, Schweissen und Schneiden, Vol XI, No 8, 1959, pp 319-322.

CSIRO

Influence of Alloying Elements and Heat Treatment on Long-Term Strength of Ferritic Heat-Resistant Steel, by H. G. Brandt. GERMAN, per, Schweizer Archiv, Vol XXVII, Aug 1961, pp 344-351.

*BISI 2929

The Effect of Superheating of the Melt on the Structure and the Strength Characteristics of Alloy Structural Steel, by A. Schoberl, R. Mitsche.

GERMAN, per, Stahl und Eisen, Vol LVIII, May 1938, pp 546-549.

BISI 2688

Critical Loading of Coke Oven Walls, by W. Ahlers.
GERMAN, per, Stahl und Eisen, Vol LXXIX, 1959, pp 379-405, 622-629.

CSIRO

The Destruction of Refractories by Carbon Deposits, by A. K. Kohler.

GERMAN, per, Stahl und Eisen, Vol LXXXI, 14 Sep 1961, pp 1297-1301.

BISI 2710

Effect of Furnace Practice in the Production of Low-Hydrogen Steels and Kinetics of Flake Formation, by G. Klotzbach, W. Janiche. GEMAN, per, Technische Mitteilungen Krupp, Vol XIX, No 3, 1961, pp 107-121.

HB 5436

Corrosion Resistance of Condenser Tubes Made From Copper Alloys, by K. Eichhorn. GERMAN, per, Werkstoffe und Korrosion, No 11, 1957.

On the Behaviour of Brass in Dilute Mineral Acids and Their Mixtures in the Presence and Absence of Inhibitors, by W. Machu, M. G. Fouad.

GERMAN, per, Werkstoffe und Korrosion, Vol VIII, 1957, pp 139-145.

CSIRO

Surface Wetting of Materials, by L. Piatti, A. King, A. Kaiser, 10 pp. GERMAN, per, Werkstoffe und Korrosion, Vol X, 1959, pp 239-243. 9090531

ACSIL No 1358

Investigations of the Regular Law of Mass Action, by E. Scheil. GERMAN, per, Z fuer Metallkunde, Vol XLVI, No 2, 1955, pp 77-83.

*AERE, Harwell

Processes in the Heat-Treatment of Oxygen Containing an Oxidised Tantalum, by E. Gebhardt, H. Seghezzi. GERMAN, per, Z fuer Metallkunde, Vol X, 1957, pp 559-561.

CSIRO

Nitrogen-Containing Alloys of the Transition Metals, Manganese, Iron, Cobalt and Nickel With Gallium, Geramium, Indium and Tin, by H. H. Stadelmaier, A. C. Fraker.

GERMAN, per, Z fuer Metallkunde, Vol LIII, No 1, 1962, pp 48-51.

*BISI 2905

Welding of 18/8 CrNi and 18/8 CrNiMo Tube Steels, by H. Siegenthaler. GERMAN, per, Z fuer Schweisstechnik, Vol LI, No 11, 1961, pp 371-384.

BISI 2697

The Reactive Capacity of Blast Furnace Slags for Sulphated Metallurgical Cement, by S. Tsumara.

GERMAN, per, Zement-Kalk-Gips, Vol XII, No 9, 1959, pp 392-408.

Method of Determination of Fluorine in Welding Fluxes, by F. Elias. GERMAN, per, Zvaranie, Apr 1961, pp 104-106.

*BISI 2943

On the Process of Pelletizing Fine Iron Ores in the Balling Drum, by M. Kawamura, K. Sugawa.

JAPANESE, per, Tetsu to Hagane, Vol XLIV, No 10, 1960, pp 1103-1105.

HB 5017

Effect of Some Factors on Primary Cooling, by K. Ushijima.

JAPANESE, per, Tetsu to Hagane, Vol XLVII, No 3, 1961, pp 390, 391.

HB 5019

On Prolonging the Service Life of 6.7-Ton Ingot Molds at a Roumanian Steel Plant, by A. Popa, P. Pasere.
RUMANIAN, per, Metalurgia si Constructia de Masini, Vol XIII, No 10, 1961, pp 858-862.

HB 5508

The Ingimbrite Concept, by S. Hjelmqvist. SWEDISH, per, Geologiska Foreningens i Stockholm Forhandlingare, Vol LXXXIII, No 2, 1961.

NZDIA

The Isothermal Transformation of Austenite in Carbon Steels Containing 0.50% C and 0.18% C, by S. Modin.

SWEDISH, per, Jernkontorets Annaler, Vol CXLII, No 4, 1958, pp 209-211.

*BISI 2951

Scientific Nuclear Physics

Questions of Nuclear Meteorology, by B. Styro. RUSSIAN, bk, 417 pp.

*AGU

Characteristics of Proton Beams Accelerated in Synchrotrons at 10 Bev, by A. B. Kuznetsov, K. P. Myznikov.
RUSSIAN, rpt, Joint Inst for Nuclear Research, Lab of High Energy Report No P-787.

AEC UCRL Tr-843

Energy Spectrum of Resonance Absorption of y-Radiation of 92 Kev Zn⁶⁷ in Zinc Oxide, by V. P. Alimenkov, Yu. M. Ostanevich, 18 pp.
RUSSIAN, rpt, Joint Inst for Nuclear Research, Dubna, USSR, Lab of Neutron Physics, JINR-P-845, 1961.

AEC Tr-5115

Gamma-Ray and Internal-Conversion-Electron Spectra From (n, y) Reactions on Gadolinium Isotopes, by L. V. Groshev, et al. RUSSIAN, rpt, Order of Lenin Institute of Atomic-Energy "I. V. Kurchatov".

*AEC

Measurement of Diffusion Coefficients for Silicate Melts With Na-24, K-42, and Ca-45, by V. L. Malkin, B. M. Mogutnov, 9 pp. RUSSIAN, papers, Proceedings of the Conference on Radioisotopes in the Physical Sciences and Industry, Copenhagen, Sept 6/17, 1960, Vol I, pp 169-178. 9091153

AEC Tr-5191

Solubility and Diffusion of Impurities in Germanium, by E. G. Miselyuk, V. E. Kosenko, L. A. Khomenko, 7 pp.
RUSSIAN, papers, Proceedings of the Conference on the Use of Radioisotopes in the Physical Sciences and Industry, Copenhagen, Sept 6/17, 1960, pp 287-294. 9089584

Radioisotopic Control of Wear on the Suspension Bearings of Large Turbogenerators, by E. Frynta, F. Kkhol', V. Kopetskiy, 5 pp.
RUSSIAN, papers, Proceedings of the Conference on Radioisotopes in the Physical Sciences and Industry, Copenhagen, Sept 6/7, 1960, Vol I, pp 381-395. 9089586

AEC Tr-5189

Selected Articles From the Russian
Papers, Proceedings of a Symposium on
the Chemical Effects of Nuclear Transformations,
Prague, 24-27 October, 1960.

Vol I.
Theory of Molecular Dissociation by Neutrons: Diatomic Molecules, by Yu. S. Sayasov, 16 pp, (pp 25-39). 9089590

AEC Tr-5152

Reactions of Positive Ions With Molecules in the Gas Phase in the Range $3 \times 10^{-2} - 10^{+2}$ eV, by V. L. Tal'roze, 12 pp, (pp 103-112). 9091150

AEC Tr-5155

Isotope Effect and Secondary Reactions of Bromine Recoil Atoms Accompanying the (n, v) Process, by A. N. Nesmeyanov, E. S. Filatov, 17 pp, (pp 259-276), 9091152

AEC Tr-5151

Consequences of Nuclear Transformations in Germanium Monocrystals Irradiated With Slow Neutrons, by N. P. Kekelidze, 7 pp, (pp 557-563). 9089583

AEC Tr-5147

Vol II.
The Effect of the Recoil Energy of Nuclear Transformations in Solids on the Separation of Natural Radioisotopes, by K. B. Zaborenko, A. M. Babeshkin, 13 pp, (pp 57-67). 9089589

Selected Articles From the Russian
Papers, Proceedings of a Symposium on
the Chemical Effects of Nuclear Transformations,
Prague, 24-27 Oct, 1960. (Contd)

Vol II. A Study of Isotope Effects in Beta-Decay of Natural Isotopes of Lead, by V. D. Nefedov, Yu. A. Ryukhin, 7 pp, (pp 149-155). 9091159

AEC Tr-5150

The Use of Chemical Changes Accompanying Beta-Decay of RaE For the Synthesis of Organic Compounds of Polonium, by A. N. Murin, V. D. Nefedov, 6 pp, (pp 183-187). 9091160

AEC Tr-5149

The Cross-Linking of PTFE (Teflon) and
Other Polymer Materials by the Localized
Action of Neutron Irradiation, by
V. I. Gol'danskiy, I. M. Barkanov,
8 pp, (pp 363-369). 9091162

AEC Tr-5144

Selected Articles From the Russian
Papers, Proceedings of a Symposium on the
Inelastic Scattering of Neutrons in Solids
and Liquids, Vienna, 11-14 Oct 1960.

Neutron Thermalization and the Properties of the Van Hove Pair Correlation Function, by M. V. Kazarnovskiy, A. V. Stepanov, 10 pp, (pp 87-95). 9091156

AEC Tr-5146

Elastic Resonance Scattering of Slow Neutrons in Crystals, by M. V. Kazarnovskiy, A. V. Stepanov, 5 pp, (pp 97-100). 9091161

AEC Tr-5145

Scattering of Neutrons in Liquids, by V. F. Turchin, 8 pp, (pp 259-264). 9091157

Control of the contro

 $\tilde{\gamma}_{i,j}^{(i)} = \tilde{\gamma}_{i,j}^{(i)} + \tilde{\gamma}_{i,j}^$

The state of the s

102

Selected Articles From the Russian
Papers, Proceedings of a Symposium on the
Inelastic Scattering of Neutrons in Solids
and Liquids, Vienna, 11-14 Oct 1960. (Contd)

Study of the Diffusion and Thermalization of Neutrons in Water and Ice Within a Wide Range of Temperatures, Using the Impulse Method, by A. V. Antonov, B. V. Granatkin, 22 pp, (pp 377-394). 9091154

AEC Tr-5143

Experimental Determination of the Spectrum for Thermal Oscillations of Crystals of Arbitrary Symmetry by Means of Incoherent Single-Phonon Scattering of Cold Neutrons, by L. V. Tarasov, 7 pp, (pp 479-483). 9091158

AEC Tr-5156

Prospects for the Practical Use of Isomers, by Yu. V. Petrov, 7 pp.
RUSSIAN, papers, Proceedings of a Symposium on Pile Neutron Research in Physics, Vienna, Oct 17/21, 1960, pp 329-333. 9089585

AEC Tr-5187

The Magnetic Structure of Chromium, by V. N. Bykov, V. S. Golovkin, V. A. Levkin, 5 pp. RUSSIAN, papers, <u>Proceedings of a Symposium on Pile Neutron Research in Physics</u>, Vienna,

Oct 17/21 1960, pp 429-431. 9089587

AEC Tr-5188

Hydrodynamic Aspects in Planning for a Homogeneous Reactor With a Suspended Fuel, by P. Novatny, V. Khamrad, 8 pp. RUSSIAN, papers, Proceedings of the Symposium on Power Reactor Experiments, Vienna, Oct 23/27, 1961, pp 187-195. 9089582

AEC Tr-5198

Molten Plutonium and Uranium Chlorides as Fuel for Fast Breeder Reactors, by M. Taube, ll pp.
RUSSIAN, papers, Proceedings of a Symposium on Power Reactor Experiments, Vienna,
October 23/27, 1961, Vol I, pp 353-363.
9091155

Nuclear Reactions: Two Lectures, by K. A. Ter-Martirosyan, 35 pp. RUSSIAN, bk, <u>Yadernye Reaktsii</u>, <u>Dve</u> Lektsii, 1960. 9089591

AEC Tr-5160

The Equation of State for Liquid Heavy Water, by P. M. Kessel'man. RUSSIAN, per, <u>Teploenergetika</u>, No 4, 1960, pp 72, 73.

NLL RTS 2041

Magnetic Quadrupole Lens Component Arrangement in Focusing and Bunching Mu Mesons at CERN, by E. Braunersreuther, V. Chabaud, C. Celorme.

FRENCH, rpt, European Organization for Nuclear Research (CERN) Report No 61-12.

*AEC

Recent Developments in High Pressure Techniques, by Jacques Basset, 25 pp. FRENCH, per, Atomes, Vol XI, 1956, pp 363-368.

AEC NP Tr-891

Ultra-Pressures, by Jacques Basset, 29 pp. FRENCH, per, Atomes, Vol XII, 1957, pp 131-135.

AEC NP Tr-892

A New Examination of the Thermal Conductivity of Heavy Water, by H. Ziebland. GERMAN, per, Allgemeine Warmetechnik, Vol IX, No 2, 1959, pp 37-39.

AECL-1581

Electron and Nuclear Resonance as a Method of Molecule Research, by K. H. Hausser.

GERMAN, per, Angewandte Chemie, Vol LXVIII, No 23, 1956, pp 729-746.

CSIRO

Organic Substances as Reactor Moderators, by I. Kiss, I. Kosa-Somogyi, et al, 15 pp. GERMAN, per, Atom Kernenergie, No 12, 1961, pp 905-912. 9677929

FTD-TT-62-439

Shielding Against High Energy Neutrons in a Relativistic Isochronous Cyclotron, by H. G. Langmann, 7 pp. GERMAN, per, Nukleonik, Vol III, 1961, pp 201-204. 9089626

AEC UCRL Tr-842

On the Development of a Neutron Conductor in an FRM Reactor, by Josef Christ, Tasso Springer, 7 pp.
GERMAN, per, Nukleonik, Vol IV, 1962, pp 23-25.

AEC SCL-T-421

The Thermal Conductivity of Heavy Water, by F. Meyer, M. Eigen. GERMAN, per, Z. fuer Naturforschung, Vol VIIIa, 1953, pp 500-501.

AECL-1582

Process for the Utilization of Atomic Engery and Nuclear Reactor for Carrying Out Said Process, by Gebruder Sulzer, 12 pp.
GERMAN, Swiss Patent No 286,658.

Patent Office Sci Lib

Israeli Atomic Energy Commission Head Dwells on Applications of Nuclear Research, by B. Shomron, 5 pp. HEBREW, np, <u>Haboker</u>, 8 May 1962, p 3.

JPRS 14750

Statistical Theory of the Chain Reaction in Nuclear Reations, I - III, by L. Pal. HUNGARIAN, rpt, 1961.

*AERE, Harwell

The Separation of Uranium Isotopes, by P. Caldirola, R. Fiocchi.
ITALIAN, bk, Separazione Degli Isotopi dell-Uranio CNI-24, 1959, 124 pp.

AEC Tr-4171

On Isotope Separation by the Counter-Current Gas Centrifuge I. Influence of a Gas Flow Pattern on the Separative Power, by Akira Kanagawa, Yoshitoshi Oyama, 14 pp. JAPANESE, per, J of the Atomic Energy Society, Vol III, No 11, 1961, pp 858-873. 9089605

Scientific Physics

Fluctuation of the Neutron Yield in Pulsed Fast Reactors, by L. Pal, G. Memet. RUSSIAN, rpt, 1962.

Diffusion Burning (Combustion of Liquids), by V. I. Slinov, G. N. Khudyakov. RUSSIAN, bk, <u>Diffusionnoye Goreniye</u> <u>Zhidkostey</u>, 1961, pp 1-208.

Emission Spectrum Analysis of Atomic Materials, by A. Zaidel.
RUSSIAN, bk, Emissionnyi Spektral'nyi Analiz Atomnykh Materialov, 1960, 686 pp.

Physics of an Explosion, by F. A. Baum. RUSSIAN, bk, <u>Fizika Vzryva</u>, Chapters I-IX, 1959.

Physics of an Explosion, by F. A. Baum. RUSSIAN, bk, <u>Fizika Vzryva</u>, Chapters X-XV, 1959.

Basic Compulsory Sanitary-Prophylactic Standards Necessary for the Appraisal of Environment During the Work of Accelerators, 10 pp.

RUSSIAN, bk, Gigiyena Truda Pri Rabote na Nekotorykh Vidakh Uskoritel'nykh Ustanovok Moscow, 1960, pp 62-67.

A Medium With Negative Absorption Coefficient, by F. A. Butyeva, V. A. Fabrikant. RUSSIAN, bk, Issledovaniya po Eksperimentalnoy 1 Teoreticheskoy Fiziki, Sbornik, 1959, pp 62-70.

The Stability of a Spatially Inhomogeneous Plasma in a Magnetic Field, by A. B. Mikhailovskiy, L. I. Rudakov.
RUSSIAN, rpt, I. V. Kurshatov Institute of Atomic Energy, 1962.

*AERE, Harwell

*ERDL, Ft Belvoir T-1490

*AEC

ERDL, Ft Belvoir T-1488

*ERDL, Ft Belvoir T-1490

JPRS 14621

*FTD-TT-62-1114

arwell

The Magnetic Properties and Structure of Matter, by Ya. G. Dorfman. RUSSIAN, bk, Magnitnye Svoistva i Stroenie Veshchestva, 1955, 364 pp.

AEC Tr-4507

General Computational Methods of Chebyshev Approximation. The Problems With Linear Real Parameters, by E. Ya. Remez, 740 pp.
RUSSIAN, bk, Obshchie Vychislitel'nye Metody Chebyshevskogo Priblizheniya, Zadachi s Lineino Vkhodyashchimi Veshchestvennymi Parametrami, 1957, Books 1 and 2. 9089592/V

AEC Tr-4491

On the Possible and Impossible in Optics, by G. G. Slyusarev, 163 pp.
RUSSIAN, bk, O Vozmozhnom i Nevozmozhnom
v Optike, 1960, pp 1-190. 9677918

FTD-TT-62-175

The Development of Technology and Equipment for Pulsed-Power Seam Welding of Bellows and Heat Exchangers, by
N. L. Kaganov, 26 pp.
RUSSIAN, bk, Svara Tsvetnykh Splavov
Redkikh Metallov i Plastmass, Vol CI,
1961, pp 197-216. 9677882

FTD-TT-62-123

Selected Articles From the Russian Book <u>Teplotekhnika</u>; <u>Voprosy Teorii</u>, <u>Rascheta i Proyektirovaniya</u>. <u>Sbornik</u> <u>Nauch Nykh Trudov</u>, No 8, 1959.

*FTD-TT-62-1200

The Generalized Theory of the Regular Thermal Rezime for the Case of Varying Coefficient of Thermal Conductivity and Specific Heat, by L. I. Kudryashev, L. I. Zhemkov, (pp 3-17).

The Regular Thermal Rezime in Bodies With Internal Sources of Energy for Varying Thermo-Physical Properties, by L. I. Kudryashev, L. I. Zhemkov, (pp 19-22).

Generalization of G. M. Kondrat'yev's Theorem to the Case of Varying Coefficients of Thermal Conductivity of Specific Heat, by L. I. Kudryashev, L. I. Zhemkov, (pp 23-29).

On the Role of Temperature Pulsation in Turbulent Combustion, by L. A. Vulis. RUSSIAN, bk, v. sb. Tret'ya Vses Soveshchaniye po Teorii Goreniya, Vol I, 1960, pp 91-99.

*FTD-TT-62-1177

Equations of a Turbulent Flame Jet, by A. G. Prudnikov.
RUSSIAN, bk, v. sb. Tret'ya Vses Sovesh-chaniye po Teorii Goreniya, Vol I, 1960, pp 100-108.

*FTD-TT-62-1177

Effect of Composition and Nature of Gaseous Media on the Antifrictional Properties of Mineral Lubricating Oils, by M. D. Bezbord'ko, N. T. Pavlovskaya, V. V. Arkharova.
RUSSIAN, bk, Trudy Tretya Vses Konferentsii po Treniyu i Iznosu v Mashinakh. M., Ak
Nauk SSSR, Vol III, 1960, pp 177-186.

*FTD-TT-62-1173

Some Properties of Random Impulse Processes, by Ya. I. Khurgin.
RUSSIAN, bk, <u>Trudy Vses Soveshchaniya po</u>
Teorii Veroyatnostey i <u>Matemat Statistike</u>,
Yerevan, <u>Ak Nauk Armayanskoy SSR</u>, 1960,
pp 72-78.

*FTD-TT-62-1147

Parametrons With Anisotropic Non-Linear Coupling Discs, by K. M. Polivanov. RUSSIAN, bk, v. sb. <u>Vses Mezhvuz</u>
Konferentsiya po Teorii i Medodam Rascheta
Nelineyn Elektr Tsepey, No 6, 1960,
pp 47-60.

*FTD-TT-62-1183

Calculation of Thermodynamic Functions From Molecular Data, by Ivan Nicolaivich Godnev. RUSSIAN, bk, Vychislenie Termodinamicheskikh Funktsfii po Moleculyarnym Dannym, 1956, 339 pp.

The state of the s

Selected Articles From the Russian Periodical Atom Energ, Vol XII, No 5, 1962.

JPRS 14766

A Study of Convective Heat Transfer From a Gas-Graphite Mixture During Flow Within Vertical Channels, by Z. R. Gorbis, R. A. Bakhtiozin, 21 pp, (pp 378-384).

The Theory of Swelling of Porous Materials, by V. M. Agranovich, E. Ya. Mikhlin, 20 pp, (pp 385-391).

Separation of Lithium Isotopes on a Cation-Exchange Resin by the Method of Moving Band With Sharp Edges, by N. I. Nikolayev, V. M. Kolotyrkin, N. N. Tunitskiy, 13 pp, (pp 404-407).

Zonal Profiling of Reactors, by N. N. Ponomarev-Stepnoy, 9 pp, (pp 415-417).

Physical Profiling of the Heat Release in Heterogeneous Power Reactors, by N. N. Ponomarev-Stepnoy, Ye. S. Glushkov, 6 pp, (pp 418, 419).

Solution of Reactor Equation Taking Account of the Variable Density of the Moderator in Physical Profiling, by N. N. Ponomarev-Stepnoy, Ye. S. Glushkov, 5 pp, (pp 419-421).

The Stability of a Frequency Remote Control System in the Presence of Pulse Basic, by Yu. I. Chugin, 32 pp.
RUSSIAN, per, Avtomat i Telemekh, Vol XXIII, No 2, 1962, pp 222-241. 9665974

FTD-TT-62-636

Selected Articles From the Russian Periodical Dok Ak Nauk.

Vol LXXIV, 1950, pp 925-928. Variation of the Coefficient of Attenuation of Light as a Function of the Variation of the Diameters of Particles Suspended in Water, by K. I. Ivanov. CSIRO

Vol LXXVI, No 1, 1951, pp 133-135. The Effect of Ultrasound of Yeasts, by R. S. Katsnel'son, M. A. Khenokh, 5 pp.

JPRS 14675

Vol LXXVI, No 2, 1951, pp 317-320. Reaction of Paramecia to Certain Organic Compounds Subjected to the Effect of Ultrasound and Ultraviolet Light, by L. K. Lozina-Lozinskiy, M. A. Khenokh, 6 pp.

JPRS 14675

Vol XCIV, No 4, 1954, pp 635-638. Lateral Flow of a Fluid From Channel Having a Constant Section, by V. N. Taliyev, 6 pp.

ACSI I-1643 ID 2203201

Vol XXVIII, No 5, 1959, pp 217-221. 9088287 Beta-Radioactivity of the Soils of Armenia, by V. L. Ananyan, 4 pp.

NIH 5-47-62

Vol CXXXVI, No 5, 1961, pp 1137, 1138. Some Properties of Polymeric Semi-conductive Materials, by R. M. Voitenko, E. M. Raskina.

NLL M.4884

Vol CXXXVIII, No 4, 1961, pp 880-883. 9677933

The Formation of Hydrazine by the Action of Y-Radiation on Solid and Liquid Ammonia, by Yu. A. Sorokin, S. Ya. Pshezhetskiy, 6 pp.

FTD-TT-62-838

(pp 1317-1320).

West desirable services and the services of th

The state of the s

Selected Articles From the Russian Periodical Dok Ak Nauk.

Vol CXLII, No 5, 1962, pp 1050-1053. 9677947 On the Theory of a Gyroscopic Servosystem With Random Noise, by L. Ya. Roytenberg, 7 pp.

Vol CXLIII, No 6, 1962. Semiconducting Properties of Blood Pigments, by A. T. Vartanyan, 12 pp,

Optimal Sliding States, by R. V. Gamkrelidze, V. A. Steklov,

The Effectiveness of a Diffuser With Curved Outline and Transverse Ribs, by V. K. Migay. RUSSIAN, per, Energomash, No 1, 1962, pp 45, 46.

Polymorphic Transformation in the Intermetallic Compound NbCr₂, by V. M. Pan. RUSSIAN, per, <u>Fiz Metal i Metallov</u>, Vol XII, No 3, 1961, pp 455-457.

Deformation and Recrystallization Textures in the Mo-35 at .% Re Alloy, by Ye. M. Savitskiy, T'ao Tsu-ts'ung. RUSSIAN, per, Fiz Metal i Metallov, Vol XII, No 6, 1961, pp 879-882.

Physiological Mechanisms of Chemical Thermal Regulation, by V. P. Ivanov. RUSSIAN, per, Fiz Zhur, Vol XLVIII, No 4, 1962, pp 436-443.

Functional Bodily Changes Induced by Breathing Gas Mixture of High Oxygen and Low Carbon Dioxide Content for Many Hours at Rest and During Exercise, by S. A. Brandis, V. N. Pilovitskaya. RUSSIAN, per, Fiz Zhur, Vol XLVIII, No 4, 1962, pp 455-463. - 297 -

JPRS 14888

FTD-TT-62-770

*FTD-TT-62-1151

NLL M. 3647

*FTD-TT-62-1179

*FTD-TT-62-1176

*FTD-TT-62-1176

Effect of Different Factors on the Degree of Adhesion of Emulsions to the Support, by E. K. Podgorodetskiy.

RUSSIAN, per, Fotokinokhim Prom', Vol III, No 3, 1935, pp 40-48.

Polarizing Light Filters in Marine Aerial Photography, by A. M. Kuzina. RUSSIAN, per, Geodez i Aerofotos, No 6, 1960, pp 83-95.

Selected Articles From the Russian Periodical Inzhenerno-Fiz Zhur.

Vol III, No 2, 1960, pp 111-114. The Problem of Heat Exchange in a Fluidized Bed, by S. Zabrodskiy.

Vol III, No 5, 1960. Heat and Mass Exchange With Coaling of Strongly Heated Surfaces by Evaporation, by R. Z. Alimov.

No 6, 1961, pp 70-77. 9677931 The Basic Patterns of Heat Transfer in a Rarefied Gas in the Case of Natural Convection, by A. N. Devoyno, 13 pp.

Vol IV, No 8, 1961. 9677926

Heat Transfer of a Two-Phase Flow With a Cluster of Pipes, by I. T. El'perin, 9 pp, (pp 30-35).

Stationary Heat Conductivity in a Semi-Limited Body With Internal Cylindrical Heat Sources, by I. A. Ioffe, 5 pp, (pp lll-ll3).

Vol IV, No 11, 1961, pp 105-108. 9677946 Experimental Investigation of Heat Transfer of a Longitudinally Streamlined Plate in a Laminar Boundary Layer, by A. A. Zhukauskas, I. I. Zhyugzhda, 7 pp. **CSIRO**

*ERDL, Ft Belvoir T-1501

CSIRO 5582

*RAND

FTD-TT-62-677

FTD-TT-62-679

FID-TT-62-798

The second secon

The Torsion of Anisotropic Prismatic Rods Having a Cross Section in the Form of an Elongated Aero-Nautical Profile, by V. S. Sarkisyan, 31 pp.
RUSSIAN, per, Iz Ak Nauk Armyanskoy SSR, Ser Fiz-Matemat Nauk, Vol XIV, No 2, 1961, pp 45-70. 9665957

FTD-TT-62-384

Some Problems in Semiconductor Physics. "Problems in the Theory, Investigation, and Metallurgy of Semiconductors, by A. F. Ioffe.
RUSSIAN, per, Iz Ak Nauk SSSR, 1955, pp 5-11.

CSIRO

Selected Articles From the Russian Periodical Iz Ak Nauk SSSR, Ser Fiz.

Vol IX, 1945, pp 329-334. 9089577 The Luminescence of Solutions of Salts of the Rare Earths, by A. N. Zaidel, 9 pp.

AEC Tr-5112

Vol X, 1946, pp 477-487. On Recombination of Phosphorescence, by V. V. Antonov-Romanovsky. *AEC UCRL Tr-852(L)

Vol XIII, 1949. On the Flash Mechanism of SrS-Phosphors Activated by Rare-Earth Activators, and the Interaction Between the Activators, by V. V. Antonov-Romanovsky, et al, (pp 75-90).

*AEC UCRL Tr-853(L)

Emission-Stimulating Action of the Exciting Light in Phosphors, by V. V. Antonov-Romanovsky, (pp 91-100).

*AEC UCRL Tr-854(L)

Vol XV, 1951, pp 637-648. Stimulation and Quenching by Exciting Light in Crystal Phosphors, by V. V. Antonov-Romanovsky. *AEC UCRL Tr-855(L)

No 8, 1961, pp 913-918.

A Spectrometer for Ultra-Soft X-Ray
Radiation With Comprehensive Registration of Radiation by Means of SecondaryElectron Multipliers and a Ceiger Counter,
by A. P. Lukirskiy.

- 299 -

ERDL, Ft Belvoir T-1620

Emission of Gravitational Waves, by I. I. Gutman.
RUSSIAN, per, Iz Ak Nauk Uzbek SSSR,
Ser Fiz Matemat Nauk, No 5, 1961, pp 90,
91.

The Prospects and the Possibilities of Using Aluminum in Electric Machines, by V. V. Peregudov, 6 pp. RUSSIAN, per, <u>Iz Vysshikh Ucheb Zaved</u>, <u>Elektromekh</u>, No 1, 1961, pp 121-124.

Investigation of the Influence of the Physical Properties of a Liquid on Critical Heat Fluxes Under Boiling, by V. G. Morozov, 15 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Energet, No 1, 1961, pp 73-81. 9665931

Inverse Boundary-Value Problems and Practical Methods for Their Solution, by G. G. Tumashev, 8 pp.
RUSSIAN, per, Iz Vysshikh Ucheb Zaved,
Energet, No 2, 1961, pp 103-108.

Towards Problem on the Effect of Atmosphere on Arc Discharge Radiation, by O. P. Semenova, M. V. Petrova. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Fiz, No 2, 1961, pp 71-76.

Some Problems in the Theory of Optimum Control, by F. M. Kirillova, 21 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Matematika, No 3, 1962, pp 48-58.

On the Instability of Low Frequency Electromagnetic Waves in a Plasma Pierced by a Flow of Charged Particles -- Propagation at an Arbitrary Angle to the Direction of the Magnetic Field, by M. S. Kovner, 52 pp. RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Radiofiz, Vol IV, No 3, 1961, pp 444-454.

*FTD-TT-62-1156

FTD-TT-62-676

FTD-TT-62-674

.1

FTD-TT-62-675

ERDL, Ft Belvoir T-1499

JPRS 14826

FTD-TT-61-91

The second second second second

はなるところでは、まなからなければの、これで、マンドーののいう。

On Some Ways of Increasing the Output of Moulded Articles From Vulcenization Presses, by I. M. Gorelik. A. V. Ratner. RUSSIAN, per, <u>Kauchuk i Rezina</u>, Vol XVI, No 1, pp 36-42.

CSIRO

The Recovery of Phosphate From Obolus Sandstones by Flotation, by L. I. Stremovsky.
RUSSIAN, per, Khim Prom, 1958, pp 476-481.

NLL M.4889

Depolarization of Photopolarized Sulphur Monocrystals at Different Temperatures, by V. M. Fridkin.
RUSSLIN, per, <u>Kristallografiya</u>, Vol I, No 6, 1956, pp 692-695.

CSIRO

Thermal Stresses Arising in Heating and Cooling of Single Crystals, by Yu. Sirotin. RUSSIAN, per, Kristallografiya, Vol I, No 6, 1956, pp 708-717.

CSIRO 3782

Preparation of Cellulose Fibre Materials for Investigation With Infrared Light, by A. Polyak.

RUSSIAN, per, Les Zhur, Vol III, No 1, 1960, pp 152-154.

CSIRO 5330

On Photoluminescence of Thallium Iodide, by A. S. Vysochanskiy. RUSSIAN, per, Nauchn Zap Kafedr Matem, Fiz i Yestestvozn. Odessk Gos Ped Inst, Vol XXIV, No 1, 1959, pp 50, 51.

*FTD-TT-62-1134

Measurement of the Electron Temperature of the Plasma in a Strong Shock Wave, by T. I. Filippova, N. V. Filippov. 11 pp. RUSSIAN, per, Nuclear Fusion, Vol I, No 3, 1961, pp 195-197.

AERE, Harwell Tr-893

Stark Effect in Rotational Spectra of Molecules of the Asymmetrical Top Type in the Presence of Quadrupole Interaction (the Case of u-eQq), by E. Zemskov.
RUSSIAN, per, Optika i Spektroskopiya, Vol III, No 2, 1957, pp 183-186.

CSIRO 4152

Contribution to the Problem of the Measurement of the Optical Density of Gas Mixtures and Liquids by Spectroscopic Methods, by E. O. Sall.

RUSSIAN, per, Optika i Spectroscopiya, Vol V, No 3, 1958, pp 316-321.

CSIRO

Oxidation of Polypropylene at High Oxygen Pressures, by V. V. Dudorov, ll pp. RUSSIAN, per, <u>Plasticheskiye Massy</u>, No 12, 1961, pp 3-7.

ACSI I-1644 ID 2203202

Determining Energy Dispersion Functions by an Oxcillatory System With Many Degrees of Freedom, by P. M. Senik, 6 pp. RUSSIAN, per, <u>Prikladna Mekhaniya</u>, Vol VII, No 3, 1961, pp 253-257. 9677932

FTD-TT-62-382

A Study of Some Watch Train Parameters, by L. P. Riftin.
RUSSIAN, per, Sbornik Statei Leningrad in-ta Tochnoi Mekh i Optiki, No 17, 1955, pp 75-91.

RAE Lib Tr No 986

Some Physicochemical Properties of Boron-Free Resistance Glasses, by N. M. Pavlushkin. RUSSIAN, per, Steklo i Keramika, Vol XI, No 3, 1954, pp 10-13.

CSIRO

Measurements of the Coefficients of Spectral Brightness in Conditions Outside the Laboratory, by V. V. Kol'tsov.
RUSSIAN, per, Svetotekhnika, Vol VI, No 12, 1960, pp 8-12.

NLL M.3615

On the Quality of Light Merers Type U-16, by B. S. Chazanov, A. M. Fomina. RUSSIAN, per, Svetotekhnika, No 11, 1961, pp 18, 19.

*ERDL, Ft Belvoir T-1659

Concerning a Dispute on the Theory of Piled Fibrous Materials, by L. Sh. Glikman.
RUSSIAN, per, Tekstil'naya Prom, Vol XXI, No 5, 1961, pp 33-35.

NLL RTS 2047

Selected Articles From the Russian Periodical <u>Teploenergetika</u>.

No 1, 1954. Experimental Investigation of Specific Heat $C_{\rm p}$ of Water and Steam at High Parameters, by A. E. Sheindlin.

NLL M.4795

No 11, 1957, pp 81-83. Experimental Investigation of the Specific Heat C_p of Water and Steam at High Temperatures and Pressures, by A. S. Sheindlin, D. S. Rasskazov.

NLL RTS 2053

No 7, 1958, pp 38-43. Experimental Investigation of the Thermodynamic Properties of Freon -142, by L. I. Cherneyeva. NLL RTS 2033

An Equation of State for Steam, by Ya. Z. Kazavchinskiy, O. I. Katkhe, (pp 26-30).

NLL RTS 2058

No 12, 1959, pp 77-80. The Thermodynamic Properties of Ordinary and Heavy Water, by V. A. Kirillin, S. A. Onlibin.

NLL RTS 2036

No 6, 1961, pp 42-47. 9665963 Selection of the Peripheral Velocity of the Wheel of the Centrifugal Stage of a Compressor, by K. F. Shpital'nikov, 15 pp.

FTD-TT-62-713

Selected Articles From the Russian Periodical Teploenergetika. (Contd)

No 9, 1961, pp 68-72. 9665962 A Study of Heat Absorption by Liquid Metal in a Channel of Rectangular Cross Section, by V. I. Subbotin, S. P. Kaznovskiy, et al, 15 pp. FTD-TT-62-714

On Kinetics of Non-Isothermal Plasma, by V. P. Silin, L. M. Gorbunov. RUSSIAN, per, Trudy Ak Nauk SSSR, Inst Fizimeni P. N. Lebedeva A-61, 1962.

*AEC

Radioactive Controlling, Signalling and Recording Devices, by Kh. E. Gunne, et al. RUSSIAN, per, Trudy Inst Fiz Ak Nauk Latvian SSR, No 9, 1956, pp 124-135.

NLL M.4860

Theoretical Model of an Explosion at an Interface, by T. I. Vavilova, B. Ya. Gel'chinskiy. RUSSIAN, per, <u>Trudy Inst Fiz Zemli</u>, No 15, (182).

CB

Effect of Pressures Up to 5,000 hg/cm² On the Viscosity of Liquids, by E. V. Zolotykh.

RUSSIAN, per, Trudy Institutov Komiteta Standartov, No 46, (106), 1960, pp 81-95.

NLL RTS 1992

On the Stability of Motion of a Heavy Point With Variable Mass, by A. S. Galiullin. RUSSIAN, per, <u>Trudy Kazanskogo Aviats Inst</u>, No 45, 1959, pp 45-62.

*FTD-TT-62-1188

Influence of the Rate of Air Flow on the Time Required to Chill Meat, by A. Golovkin. RUSSIAN, per, Trudy Leningrad Tekh Inst Pholodil' Prom, Vol XI, 1956, pp 134-140.

CSIRO 4010

The Wave Equation for a Non-Uniform Medium, by S. L. Sobolev, 83 pp.
RUSSIAN, per, <u>Trudy Seismol Inst Ak Nauk SSSR</u>, No 6, 1930, pp 1-57.

AEC UCRL Tr-796(L)

Scale Formation Minimized by Elastic Ultrasonic Vibrations, by A. I. Zhevnovatyi, by V. V. Volkov, I. Z. Pevzner. RUSSIAN, per, Tsvetnye Metally, No 3, 1962, pp 48-53.

HB 5679

Magnetic Properties of Permanent Magnets From Powders, by A. B. Al'tman, et al. RUSSIAN, per, Vest Elektroprom, Vol XXXII, No 2, 1961, pp 32-41.

NLL M.3645

Electroosmosis and Passage Potential Through Double-Layer Powder Diaphragms, by K. P. Tikhomolova, 16 pp.
RUSSIAN, per, Vest Lenin Univ, Ser Fiz i Khim, Vol XV, No 4, 1960, pp 106-116.
9089614

AEC Tr-5176

Flow of Dissociating Nitrogen Between Two Parallel Plates, by L. A. Kulonen. RUSSIAN, per, Vest Lenin Univ, Ser Mat Mekh 1 Astron, No 1, 1962, pp 116-123.

*FTD-TT-62-1145

Theory of the Magnetogasdynamic Generator, by M. I. Kiselev.
RUSSIAN, per, Vest Moscow U, Ser III, Fiz, Astron, No 1, 1962, pp 63-68.

*FTD-TT-62-1181

Change in Coercive Force Furing Cyclic Heat Treatment, by I. Y. Dekhtyar, E. G. Madatova. RUSSIAN, per, Voprosy Fiz Metal i Metallov, Ak Nauk Ukrain SSR, No 12, 1961, pp 73-87.

NLL M.3639

Polymerization Kinetics of Hydrocarbons With Conjugated Bonds. II. Polymerization of Phenylacetylene and the Paramagnetic Properties of the Polymers, by P. S. Shantarovich, I. A. Shliapnikova.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol III, No 10, 1961, pp 1495-1499.

*AEC

Continuous Analysis of Ozone in Gas Mixtures With an Ultraviolet Photocolorimeter, by V. Fastovskiy, A. Rovinskiy.

RUSSIAN, per, Zavod Lab, Vol XXI, 1955, pp 1030-1032.

CSIRO 4000

Photographic Effects of the Radiation of Some Radiosctive Isotopes, by N. V. Ushakov.
RUSSIAN, per, Zavod Lab, Vol XXIII, No 9, 1957, pp 1080-1083.

CSIRO

Establishing the Position of Flaws in Ultrasonic Inspection, by Ya. I. Ioffe.
RUSSIAN, per, Zavod Lab, Vol XXIII, No 2, 1962, pp 242-245.

HB 5557

Selected Articles From the Russian Periodical Zhur Eksper i Teoret Fiz.

Vol XVII, 1947, pp 949-963. Study of Earth Alkaline Phosphors Which Have High Sensitivity for Infrared Rays, by V. L. Levshin, et al.

*AEC UCRL Tr-856(L)

Vol XXI, 1951. Characteristics of Gamma-Luminescence of Phosphors, by V. V. Antonov-Romanovsky, (pp 269-274). *AEC UCRL Tr-857(L)

Light Characteristics of the Phosphor Cd₂P₂O7-Mn, Pb, by N. A. Gorbacheva, (pp 305-309).

*AEC UCRL Tr-858(L)

Vol XXVII, 1954. Reflexion Spectra of Coloured Scattering Objects, by I. Zhidkova, (pp 458-466). CSIRO

Reflexion Spectra of Coloured Scattering Objects, II, by O. P. Girin, B. I. Stepanov, (pp 467-476).

Selected Articles From the Russian Periodical Zhur Fiz Khim.

Vol V, 1934, pp 32-37. 9089558 The Combined Effect of Radiation and Catalyst, by Ya. K. Syrkin, I. N. Godnev, 10 pp.

AEC Tr-5153

Vol XIII, 1939, pp 586-592. 9089559 The Photochemical Decomposition of Ammonia Adsorbed on Crystals of CuSO4 and MgO, by V. Belosel'skiy, 12 pp. AEC Tr-5186

Vol XXX, No 4, 1956, pp 769-783. The Theory of Degenerate Branching. Part I. Kinetic Equations of Reactions With Degenerate Branching, by N. S. Enikolopyan.

NLL M.4893

Vol XXXI, 1957, pp 582-588. The Use of the Similarity Theory to Describe the Properties of Liquids. Pt. I. General Methods, by L. P. Filippov.

*AEC UCRL Tr-835(L)

Vol XXXVI, No 2, 1962, pp 336-444. Interaction of Hydrogen and Oxygen in a Silent Electric Discharge. IV. Kinetic Analysis of the Process From the Equations for Irreversible Parallel-Consecutive Reactions of First Order, by I. A. Semiokhin, N. I. Kobozev, Ye. N. Pitskhelauri.

*FTD-TT-62-1171

Isothermal Acceleration of One-Dimensional Plasma Flow in External Homogeneous Magnetic and Electric Transverse Fields, by V. M. Sarychev.
RUSSIAN, per, Zhur Prik Mekh i Tekh Fiz, No 1, 1962, pp 12-14.

*FTD-TT-62-1186

The Dependence of the Coefficient of Thermal Conductivity of Gases and Vapours on Pressure, by N. B. Vargaftik. RUSSIAN, per, Zhur Tekh Fiz, Vol VII, No 11, 1937, pp 1199-1216.

NLL RTS 2052

AND THE PROPERTY OF THE PROPER

Limits of Practical Applicability of Pisarenko Formula, by T. A. Kontorova. RUSSIAN, per, Zhur Tekh Fiz, Vol XXIV, No 7, 1954, pp 1291-1297.

CSIRO 3980

Investigating the Luminescence Originating During the Electric Fulmination of Thin Wires, by M. P. Vanyukov, V. I. Isayenko, 9 pp. RUSSIAN, per, Zhur Tekh Fiz, Vol XXXII, No 2, 1962, pp 197-201. 9677948

FID-TT-62-777

Propagation of Electromagnetic Waves in Plasma Across an External Magnetic Field, by Yu. N. Dnestrovskiy, D. P. Kostomarov, 13 pp.
RUSSIAN, per, Zhur Vychislitel'noy Matemat i Matemat Fiz, Vol II, No 1, Jan/Feb 1962, pp 97-106. 9677888

AID Rpt 62-102

A Device for Measuring Gravitational Force, by V. V. Kochegura, 3 pp. RUSSIAN, Patent No 133,616 (659400/26), 19 Mar 1960. 9677930

FTD-TT-62-762

Iterative Process of Solving Nonlinear Equation of General Functions, by Wen-yuan Chen, 13 pp.
CHINESE, per, Shu Haueh Chin Chan, Vol III, 1957, pp 434-444.

AEC Tr-5118

The Indium () P) Reaction, by Miroslav Rozkos, 9 pp. CZECH, per, Czechoslov J. Phys, Vol VII, 1957, pp 20-25.

Market appropriation

Microphotometric Measurement of the Reflectivity of Coal, by V. Hulubar, Z. Krejcik.

CZECH, per, Uhli, Vol VII, No 11, 1957, pp 381-387.

CSIRO 3845

New Perspectives in Physics, by Louis de Broglie, 291 pp. FRENCH, bk.

Basic Books

The Microscopic Diffusion of Neutrons by an Approximate Method, by J. Yvon, 19 pp. FRENCH. 9089629

AEC Tr-5168

Minutes of the French-Canadian Discussion on the Behavior of Fission Gases in Uranium Oxide, September 26-27, 1961, 15 pp. FRENCH, rpt, DM/CS/D-7027, 29 Jan 1962.

AEC Tr-5103

Magnetic Sheets: Contribution to the Development of Measuring Methods for Magnetic Properties, and Specifications Relative to the Determination of. FRENCH, rpt, Ateliers de Constructions Electriques de Charleroi. Rpt LR 62104/120/1 and 2, Mar 1962.

*BISI 2913

Practical Method for the Calculation of Loads in Intermittent Heating, by R. Cardiergues, et al. FRENCH, per, Annales Inst Technique du Batiment et des Travaux Publics, Vol V, No 51, 1952.

CSIRO

Magnetochromatic Effect Induced by the Thermal Neutrons in a Magnetically Pure Fixed Quartz, by N. Perskis. FRENCH, per, Comptes Rendus, Vol CCXLIV, 1957, pp 568-571.

First Order Dioptrics of Thin Cyclindrical Magnetic Lens, by G. Bacquet, et al. FRENCH, per, Comptes Rendus, Vol CCLII, No 4, 1961, pp 522-524.

Broken Hill Prop Co Ltd (CRL/T.685)

Changes in the Physical and Chemical Properties of Wool Under Heat Treatment, by G. Mazingue, M. van Overbeke. FRENCH, per, Congres International de la Recherche Scientifique Appliquee a 1'Industries Textile, Bruxelles, 1955, pp 3-21.

CSIRO 5343

The Alrance Experimental Catchment. Investigation of the Laws of Flow. Application to the Computation and Forecasting of Discharges, by P. Cappus. FRENCH, per, La Houille Blanche, Jul/Aug 1960.

NZDIA

Determination of the Glide Elements of Hexagonal Metals Using the Asterism in Laue Photographs and Application to a Study of Beryllium Deformation at High Temperature, by P. Bastien, P. Pointu, 14 pp. FRENCH, per, Journal of Nuclear Materials, Vol V, No 1, 1962, pp 101-108. 9089573

AEC Tr.-5138

Present Experimental Position of the Problem of Antiferromagnetism, by H. Bizette. FRENCH, per, Journal de Physique et le Radium, Vol XII, No 8, 1951, pp 161-169.

CSIRO

The Influence of Defects on the Lattice Thermal Conductivity at Low Temperatures, by H. Bross.
FRENCH, per, Physica Status Solidi,
Vol II, No 5, 1962, pp 481-516.

*AERE, Harwell

THE REPORT OF THE PERSON OF TH

Self-Diffusion of Ions in Polycrystalline Alkali Halides, by J. F. Laurent, J. Benard, 19 pp. FRENCH, per, Physics and Chemistry of Solids, Vol VII, 1958, pp 218-227. 9089617

AEC UCRL Tr-829(L)

Recarburization by Injection of Powders; A Summary of Results Obtained by Irsid, by J. Raguin.
FRENCH, per, Revue de Metallurgie,
Vol LIX, Feb 1962, pp 93-109.

*BISI 2917

Principles and Application of a New Type of Interferential Spectrometer, by Pierre Connes. FRENCH, per, Revue d'Optique, Vol XXXVIII, 1959, pp 157-201, 416-441.

*AFCRL Res Lib

The Application of X-Ray Fluorescence to the Analysis of Iron and Steel Products and By-Products, by A. Hans. FRENCH, per, Revue Universelle des Mines, Vol XVIII, Mar 1962, pp 304-310.

BISI 2763

Methods of Specimen Preparation for X-Ray Analysis, by A. Hans, I. Houbart. FRENCH, per, Revue Universelle des Mines, Vol XVIII, Mar 1962, pp 310-316.

BISI 2764

Use of Photoelectric Cells for Controlling the Thomas Process, by G. Dehalu. FRENCH, per, Revue Universelle des Mines, Vol XVIII, No 3, 1962, pp 317-324.

*BISI 2934

A Process for Producing Ethylene Polymers. FRENCH, Belgian Patent No 584,855.

CSIRO

Stereoscopic Exploitation of Super Wide-Angle Aerial Photos, by A. Buchholtz. GERMAN, brochure, <u>Photogrammetria</u>, Vol XVIII, No 1, 1961/1962, pp 15-33.

*ERDL, Ft Belvoir T-1629

Ultrasonic Surface Cleaning, by J. Olaf. GERMAN, per, <u>Acustica</u>, Vol VII, No 5, 1957, pp 253-263.

CSIRO

Mobility of the Hydrogene - and Hydroxyl Ions in a Water Solution, (Parts 1-6), by G. Wannier, 51 pp.
GERMAN, per, Ann Physik, Vol XXIV, 1935, pp 545-590.

AEC Tr-5124

Electronic Energy Levels and Radiation of Atoms in Crystals, (Parts 1-5), by K. H. Hellwege, 119 pp. GERMAN, per, Ann Physik, Vol VI, 1948, pp 95-163.

AEC UCRL Tr-399(L)

The Application of X-Ray Fluorescence Analysis in the Examination of Ferro-Alloys, by J. Bruch. GERMAN, per, <u>Archiv fuer Eisenhuttenwesen</u>, Vol XXXIII, No 1, 1962, pp 5-15.

*BISI 2912

Advances With Vacuum Spectrometers in the Steelworks Laboratory, Part I, II, by S. Eckhard, G. Graue, R. Marotz. GERMAN, per, Archiv fuer Eisenhuttenwesen, Vol XXXIII, No 3, 1962, pp 145-156.

*BISI 2935

Structure of the Photo-Dimerizates of Coumarins and Furocoumarins, by F. Wessely, I. Plaichinger.
GERMAN, per, Berichte der Deutschen Chemischen Gesellschaft, Vol LXXV, No 2, 1942, pp 971-976.

CSIRO 4826

Content of Inert Gases in the Sikhote-Alin Iron Meteorite, by A. P. Vinogradov, I. K. Sadoroshny, 14 pp. GERMAN, per, Chemie der Erde, Vol XIX, 1958, pp 275-285. 9039606

AEC Tr-5119

Scattering of Fast Electrons, by P. Urban, H. Zingl. GERMAN, per, Fortschritte der Physik, Vol VII, No 12, 1959, pp 641-674.

*AEC

Hygienic and Technical Aspects of Infra-Red Heating, by A. Kollmar, W. Liese.

GERMAN, per, Gesundheits-Ingenieur, Vol LXVI, No 1/2, 1955, pp 1-15.

CSIRO

Calculation of the Radiation Conductivity of Glasses, by L. Genzel. GERMAN, per, Glastechnische Berichte, Vol XXVI, No 3, 1953, pp 69-71.

CSIRO

Analysis of Schlioren and Layers by Etching and Interference Measurements, by J. Loffler.
GERMAN, per, Glastechnische Berichte, Vol XXVII, 1954, pp 381-392.

CSIRO

Recording of Refractive Index Gradient Curves (dn/x-Diagrams), by Means of a Novel Phase Plate, by E. Wiedemann. GERMAN, per, Helvetica Chimica Acta, Vol XLIX, No 7, 1957, pp 2074-2078.

CSIRO 3873

Investigation of Surface Processes With Radioactivity, by H. Frauenfelder, 42 pp. GERMAN, per, Helvetica Physica Acta, Vol XXIII, 1950, pp 347-380.

AEC SCL-T-422

Observation on the CTP-Therorem, by R. Josi. GERMAN, per, <u>Helvetica Physica Acta</u>, Vol XXX, 1957, pp 409-416.

CSIRO

Subjective Measurements on the Influence of the Peak Content of Bandpass Noise on the Perception of Sound Intensity, by H. Niese, J. Kohler.

GERMAN, per, Hochfrequenztechnik und Elektroakustik, Vol LXVI, No 5, 1958, pp 150-160.

. CSIRO

Grouped Tolerances as a Statistical Problem, by R. Vocht.
GERMAN, per, <u>Industrie-Anzeiger</u>, Vol
LXXXII, No 18, 1960, pp 20-24.

CSIRO 5220

Application of Statistical Laws to Tolerance Determination of Grouped Dimensions, by F. Bottger:
GERMAN, per, Industrie-Anzeiger,
No 18, 1960, pp 25-33.

CSIRO 5219

The Distribution of Stress in the Skin of a Spherical Container With Tangential Stressing by Means of Equidistant Supports in Any Parallel According to the Diaphragm Theory, by F. J. Mainzer.

GERMAN, per, Ingenieur Archiv, Vol XXIV, 1958, pp 81-92.

CSIRO

The Status of Practical Film Dosimetry, by K. Becker, 19 pp. GERMAN, per, Kerntechnik, Vol III, No 3, 1961, pp 120-126. 9089561

AEC NP Tr-904

Ion Sources, by H. Lob, A. Scharmann, 21 pp. GERMAN, per, Kerntechnik, Vol IV, No 1, 1962, pp 1-7. 9089562.

AEC NP Tr-894

What Does the Electron Microscope Reveal Regarding the Structure of Cellulose Fibres?, by W. Wergin. GERMAN, per, Kolloid-Z, Vol XCVIII, 1942, pp 131-139.

CSIRO

Stretching and Shrinkage of PVC Film, by H. Haldenwanger. GERMAN, per, <u>Kunststoffe</u>, Vol XLIX, No 6, 1959, pp 270-274.

CSIRO

Radiation and Biology, by K. Wegener. GERMAN, per, Meteorologische Rundschau, Vol IX, No 9/10, 1956, pp 171-173.

High Frequency Cinematographic Photography of the Luminescence Developed in Gallery Tests of Explosives for Safety in Firedamp, by E. Eitz.

GERMAN, per, Nobel Hefte, Vol XXV, No 3, 1959, pp 136-148.

CSIRO

X-Ray Laue Diagram on Crystals in Piezo-Electric Vibration, by F. Klauer.
GERMAN, per, Physikalische Z., Vol XXXVI, 1935, pp 208-211.

CSIRO

Concerning a Possible Way of Electron Bonding on Crystal Surface, by Ig. Tamm.

GERMAN, per, Physikalische Z. der
Sowjetunion, Vol I, 1932, pp 733-746,

Excerpts Only: pp 733-743.

*AEC

Investigation of Vitreous Systems as the Basis for the Synthesis of New Glasses, by M. A. Besboro. GERMAN, per, Silikattechnik, Vol X, No 2, 1959, pp 54-57.

CSIRO

Electron Microscopic Examination of Ruby-Glasses, by K. Beyersdorfer. GERMAN, per, <u>Sprechsaal</u>, Vol LXXXIV, 1951, pp 186-189.

CSIFO

Processes and Limits of New Physical Methods of Gas Analysis, I, by H. Engelhardt.

GERMAN, per, Verein Deutscher

Ingenieure Z., Vol CIII, 1 Oct 1961, pp 1393-1404.

BISI 2713

The Determination of Calcium Ions by Flame Photometric Titration, by L. Erdey, G. Svehla.

GERMAN, per, Z. fuer Analytische Chemie, Vol CLIV, No 6, 1957, pp 406-413.

The Determination of Copper by Flame Photometry, by H. Bode, H. Fabian.
GERMAN, per, Z. fuer Analytische Chemie, Vol CLXIII, 1958, pp 187-196.

CSIRO

On Nonstable Laminated Flows of an Incompressible Viscuous Liquid in Rotating Cylindrical Tubes, by Werner Gerbes.
GERMAN, per, Z. fuer Angewandte Physik, Vol III, No 7, 1951, pp 267-271.

*AFCRL Res Lib

Contact Resistance and Contact Surface, by K. Millian, W. Rieder.
GERMAN, per, Z. fuer Angewandte Physik, Vol VIII, No 1, 1959, pp 28-34.

CSIRO

Form of Compression Shocks in Freely Expanding Gas Jets, by Konrad Bier, Berndt Schmidt, 24 pp.
GERMAN, per, Z. fuer Angewandte
Physik, Vol XIII, No 11, 1961,
pp 493-500. 9089613

AEC Tr-5196

Lead Chamber Process Spectrographic Measurements, by E. Berl, K. Winnacker. GERMAN, per, Z. fuer Anorganische und Allgemeine Chemie, Vol CCXII, 1933, pp 113-133.

CSIRO

Ray Protection for Firemen, by Farrenkopf. GERMAN, per, Z. Forschung und Technik im Brandschutz, Vol XI, 1962, pp 1.4.

*AEC

Interpretation of Electronmicroscopic Contracts in the Transmission of Thin Crystals, by H. Alexander.

GERMAN, per, Z.fuer Metallkunde, Vol LI, No 4, 1960, pp 202-209.

The Scatter Error of the "Modell Lang" Radiosonde, by W. Klinkow, R. Weide.
GERMAN, per, Z. fuer Meteorologie, Vol X, No 10, 1956, pp 308-313.

CSIRO

Level System of an Ion Having Two d-Outer Electrons in a Field of Octahedral Symmetry, by F. E. Ilse, H. Hartmann.
GERMAN, per, Z. fuer Naturforschung, Vol VIa, 1951, pp 751-754.

CSIRO

Investigations of Balmer Spectra in the Presence of a High-Frequency Discharge, by H. Schluter, 24 pp.
GERMAN, per, Z. fuer Naturforschung,
Vol XVIa, 1961, pp 972-984. 9089568

AEC NP Tr-886

Selected Articles From the German Periodical Z. Physik.

Vol LXXXIX, 1934, pp 447-473. Ionic- and Electro-Optical Cylindrical Lenses and Prisms, (Part 1), by Richard Herzog, 25 pp.

AEC Tr-5130

Vol CXLV, 1956, pp 206-234. On the Electrical Behaviour of Bi-Crystal Interlayers, by H. F. Matare.

CSIRO

Vol CXLVI, 1956, pp 281-294. On the Dispersion of the Discharge in Self-Quenching Counting Tubes I., by E. Huster, E. Ziegler.

CSIRO

Vol CXLIII, 1959, pp 458-467, 468-483. The Very-Short-Wave UV Light From a Symmetrical Cylindrical Rare-Gas Corona, I. Intensity Absorption and Ionization in the Gas Itself, by W. Bemerl, H. Fetz.

Selected Articles From the German Periodical Z. Physik. (Contd)

Vol CLVIII, 1960, pp 444-470. Measurement With a Crystal Spectrometer of Some Soft Gamma Lines in the Neutron Capture in Europium, by Otto Schult, 48 pp.

Vol CLXII, 1961, pp 275-289. Superconductivity Experiments in the Niobium - Tin System and in the Nb₃Sn- Ta₃Sn Mixed Crystal System, by H. G. Jansen, 21 pp.

Vol CLXIV, 1961, pp 563-573. Field Excitation Theory of Cold, Evaporating Cathodes, by A. Bauer.

Vol CLXV, 1961, pp 34-46. Field Excitation Theory of Cold, Evaporating Cathodes, by A. Bauer.

Method for Improving the Adhesion of Aniline and Photogravure Printing Colours on Plastic Films.
GERMAN, Patent No 1,003,765.

Spectroscopic Investigations on Nitrile Oxides. II. Infrared Spectra of Trimethylacetonitride Oxide and of Tertiary Butyl Isocyanate, by S. Califano, R. Scarpati, 16 pp.
ITALIAN, per, Atti Accad Nazl Lincei Rend Classe Sci Fis Mat e Nat, Vol XXIII, No 8, 1957, pp 263-274.

Study of Binomials for the Approximate Representation of Some Aberrations, by M. T. Zoli.
ITALIAN, per, Atti della Fondazione Giorgio Ronchi, Vol X, No 4, 1955, pp 267-278.

AEC UCRL Tr-792(L)

AEC Tr-5123

*ERDL, Ft Belvoir T-1628

*ERDL, Ft Belvoir T-1628

GB/39

AEC Tr-5121

The Application of β-Ray Excitation Fluorescence to the Measurement of the Thickness of Deposits and to Analysis, by P. Martinelli, G. Seibel, 20 pp.

ITALIAN, per, Colloquium of Spectroscopicum Internationale VIII, 1959, CEA-1945, pp 307-313.

AEC Tr-5097

Method of Mass Determination by Counting Gaps, Study of Stopping Heavy Mesons in the Photographic Emulsions (II), by G. Kayas. ITALIAN, per, Nuovo Cimento, Vol I, No 3, 1955, pp 200-208.

CSIRO

Molecular Weight Determination by Scattered Light From Fluorescent Solutions, by A. Ciferri, G. Weill. ITALIAN, per, <u>La Ricerca Scientifica</u>, Vol XXVIII, No 4, 1958, pp 765-769.

CSIRO 5381

Radiation Polymer-Isation of Formaldehyde, by K. Hayashi, H. Yamsoka. JAPANESE, per, Genshiryoku Kogyo, Vol VII, No 12, 1961, pp 31-38.

*AERE, Harwell

A New Type of Shearing Interferometer and Its Application to Measurement of Transfer Functions of Microscope Objective, by Tadao Tsuruta. JAPANESF, per, Journal of Applied Physics of Japan, Vol XXX, No 10, 1961, pp 770-777.

*ERDL, Ft Belvoir T-1632

Effects of Microscopic Roundness of the Cutting Edge on Cutting Phenomena, by M. Tueda, et al.

JAPANESE, per, Journal of Japanese Society of Mechanical Engineers, Vol XXVI, No 166, 1960, pp 803-808.

The Effects Exerted by Various Factors on the Coefficients of Mixing Velocity in Powder Mixers, by T. Yano, I. Kanise, 20 pp. JAPANESE, per, <u>Kagaku Kogaku</u>, Vol XXIV, 1960, pp 198-203.

AEC NP Tr-887

Heat Transfer in the Entry Section of Double Pipes, by K. Murakawa. JAPANESE, per, Kikai Kogaku Kyokai, Vol XXV, 1959, pp 793-797.

NLL M.3607

On the Isotope Separation by the Counter-Current Gas Centrifuge II. Relation
Between Feed Rate and Separative Power,
by Akira Kanagawa, Yoshitoshi Oyama,
12 pp.
JAPANESE, per, Nippon Genshiryoku
Gakkaishi, Vol III, 1961, pp 918-922.
9089601

AEC Tr-5136

Analysis of a Gaseous Diffusion Separative Unit, by Jun Oishi, Yoichi Matsumura, 15 pp. JAPANESE, per, Nippon Genshiryoku Gakkaishi, Vol III, 1961, pp 923-928. 9089630

AEC Tr-5134

Continuous -Ray Spectrometry With Scintillation Counters, by I. Ishimatsu. JAPANESE, per, Nippon Genshiryoku Gakkaishi, Vol IV, No 1, 1962, pp 24-30.

*AERE, Harwell

Influence of Photo-Negative Graininess Upon the Resolving Power of Photographic Lenses, by Minoru Tamaru. JAPANESE, per, OYO Butsuri, Vol XXV, 1956, pp 199-202.

*ERDL, Ft Belvoir T-1633

Response Function.

JAPANESE, per, OYO Butsuri, Vol XXVI, 1957, pp 331-337.

*ERDL, Ft Belvoir T-1634

THE REPORT OF THE PARTY OF THE

Graininess and Granularity of Photographic Materials, (III) Granularity of Color Film, by Shingo Coue.

JAPANESE, per, OYO Butsuri, Vol XXIX, 1960, pp 685-691.

*ERDL, F+ Belvoir T-1635

Problems in Military Technology, by H. Sejneski.
POLISH, bk, Z. Zagadnien Techniki
Wojennej, 1959, 371 pp.

*ERDL, Ft Belvoir T-1301

Direct Generation of Electricity
From Thermal Energy. The Turbine is
Replaced by a Flux of Ionized Plasma
Passed Through a Magnetic Field.
POLISH, per, Biuletyn Naukowy Tech,
Vol I, No 2, 1961, 2 pp.

*FTD-TT-62-1184

The Dynamical Nucleus of a Thermoelastic Deformation in an Elasto-Plastic Space, by M. Zorawski.

POLISH, per, Bulletin de l'Academie Polonaise des Sciences: Serie des Sciences Techniques, Vol IX, No 2, 1961, pp 77-84.

*FTD-TT-62-1153

Use of Radio Isotopes in Steam Plant, by K. Ljunggren. SWEDISH, per, <u>Teknisk Tidskrift</u>, 1956, pp 467-470.

CSIRO

X-Ray Flash Photography of the Detonation Process, by R. Schall. SWEDISH, per, Teknisk Tidskrift, 1957, pp 333-336.

CSIRO

High Power Tubular "Solar" Type Xenon Lamps Functioning Without Ballast, by I. S. Marshak, V. I. Vasil'yev. UNKNOWN.

TIL/T5329c

Scientific Space Research

Soviet Satellites and Space Ships, by S. G. Aleksandrov, R. E. Fedorov, (DC-8030). RUSSIAN, bk, Sovetskiye Sputniki i Kosmicheskiye Korabli, 1961, pp 125-436.

*JPRS

The Space Age, by A. Bakulev, 5 pp. RUSSIAN, np. 9665934

FTD-TT-62-599

The Brain, the Heart, and the Hands of the Spaceship, by T. Mashkevich, 7 pp. RUSSIAN, np, Ekon Gazeta, No 13 (34), 26 Mar 1962, p 36. 9665771

FTD-TT-62-725

From Aircraft to Space Ship, by A. Mikoyan. RUSSIAN, np, Krasnaya Zvezda, No 7 (11612), 9 Jan 1962, p 2.

*FTD-TT-62-1115

The Biosphere in the Cabin of a Space Ship, by V. Borisov, A. Sergeyev, 4 pp. RUSSIAN, per, Nauka i Zhizn*, No 5, 1962, pp 39-42.

JPRS 14737

An Outstanding Scientific Experiment, by Ye. P. Aksenov, Ye. A. Grebenikov, et al, 20 pp.
RUSSIAN, per, Priroda, No 8, 1961, pp 7-15. 9665949

FTD-TT-62-653

About Man's Second Flight Into the Cosmos, 4 pp.
RUSSIAN, per, Radio, No 11, 1961, pp 3-4. 9665954

FTD-TT-62-532

Radio Connection Earth - Vostok-2, by V. Kotel nikov, 3 pp. RUSSIAN, per, Radio, No 11, 1961, p 5. 9665954

FTD-TT-62-532

Unforgettable Signals, by V. Fedorov, 9 pp. RUSSIAN, per, Radio, No 11, 1961, pp 6-7. 9665954

FTD-TT-62-532

Scientific Space Research (Contd)

Achievements and Principal Goals in Space Biology, by V. I. Yazdovskiy, 6 pp.
RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1962, pp 15-20.

JPRS 14618

Toward New Successes in Study of Outer Space, by G. S. Titov.
RUSSIAN, per, Vest Ak Nauk SSSR,
Vol XXXII, No 7, 1962, pp 10-18.

*FTD-TT-62-1189

Current Prospects of Travel Into Outer Space, 4 pp.
CZECH, np, Lidova Demokracie, 9 Jan 1962, pp 1-2. 9665952

FTD-TT-62-546

The Satellite Launcher "Diamond", 8 pp. FRENCH, rpt, Jun 1962.

AF 1495223

Spaceship 2 -- A Record Performance of Television Electronics, by P. Neidhardt, 3 pp. GERMAN, per, Nachrichtentechnik, No 11, 1960, p 469. 9677934

FTD-TT-62-459

On New Results of Soviet Space Exploration, by Erno Nagy, 7 pp. HUNGARIAN, np, Nepszabadsag, 24 Dec 1961. 9665967

FTD-TT-62-202

Questions and Answers Between Japanese Scientists and Major Gagarin, 5 pp. JAPANESE, np. Kokujoho, 22 May 1962.

AF 1498085

Rocket Weapons or Aircraft, by V. Soltyk, 6 pp. POLISH, per, Technike Lotnicza, No 1-2, 1961, pp 2-5.

ACSI I-1679 ID 2203212

Nutrition in Space Flight, by V. Malkin, 9 pp. RUMANIAN, per, Stiinta si Tehnica, No 1, 1961, pp 16-17. 9665966

FTD-TT-62-281

Scientific Miscellaneous

Cybernetics at the Service of Communism, by A. I. Berg, 434 pp. RUSSIAN, bk, <u>Kibernetics na Sluzhbu</u> Kommunismu, Vol I, 1961, pp 1-312.

JPRS 14592

Concerning Precision Methods in Linguistic Research, by O. S. Akhmanova, et al.
RUSSIAN, bk, O Tochnykh Metodakh
Issledovaniya Yazyka, 1961, 162 pp.

*RAND

Cybernetics and the Formulation of Legislation, by D. A. Kerimov, 25 pp. RUSSIAN, bk, Svoboda, Zakon, i Zalconnost' v Sotsialisticheskom Gosudarstva, Mosocw, 1960, pp 206-222.

JPRS 14685

Imparted Rhythm, by A. Prokhorov, 6 pp. RUSSIAN, np. 9665946

FTD-TT-62-557

A Note on the Minimal Condition for Sub-Groups, by V. S. Charin. RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVI, No 4, 1949, pp 575-576.

NLL RTS 2073

Thinking and Cybernetics, by A. Glushkov, 10 pp. RUSSIAN, np, <u>Izvestiya</u>, 4 Jul 1962, p 4.

JPRS 14646

At the Academy of Sciences Latvian SSR (Scholars Have Fulfilled Their Obligation), by P. Kokis, 4 pp. RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 11 (172), 1961, pp 133-135.

JPRS 14715

General Meeting of the Academy of Sciences of Armenia, 5 pp. RUSSIAN, np, Kommunist, 25 Mar 1962, p 3.

Scientific Miscellaneous (Contd)

Scientific Sessions and Conferences
Held at the Academy of Sciences
Latvian SSR During 1961, by J.
Magnone, 5 pp.
RUSSIAN, per, Latvijas PSR Zinatnu
Akademijas Vestis, No 2, 1962, pp 151-154.

JPRS 14715

An Argument About Cybernetics, 12 pr. RUSSIAN, np, <u>Literaturnaya Gazeta</u>, 29 May, 2 Jun 1962.

JPRS 14643

What Then Is Dependability?, by Ya. Sorin, 6 pp. RUSSIAN, np, Pravda, 11 Jan 1962, p 2. 9677960

FTD-TT-62-830

USSR Academy of Sciences Meets, 8 pp. RUSSIAN, np, <u>Pravda</u>, No 182, 1 Jul 1962, p 2.

JPRS 14783

General Meeting of the Academy of Sciences USSR, 10 pp.
RUSSIAN, per, Priroda, No 3, 1962, pp 3-8.

JPRS 14715

A Rival of Ginseng, by Boris Sadekov, 3 pp.
RUSSIAN, np, Sovet Latviya, 26 Jan 1962, p 4. 9665944

FTD-TT-62-556

At the General Meetings of the Departments of the Academy of Sciences of the USSR, 36 pp. RUSSIAN, per, Vest Ak Nauk SSSR, No 4, 1962, pp 56-81.

JPRS 14816

Self-Organizing System and the Abstract Theory of Computers, by V. M. Glushkov, 16 pp. RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz, Vol II, No 3, May-Jun 1962, pp 459-466.

Scientific
Miscellaneous (Contd)

Faster Than Time!, by D. Pipko, 9 pp. RUSSIAN, per, Znaniye-Sila, No 1, 1961, pp 19-21. 9665970

FTD-TT-62-702

Shakeup in the Ministry of Scientific Research; Academy and Councils Established, by 'Awatif 'Abd Al Jalil, 4 pp.
ARABIC, np, Al Jamhurriyah, 31 May 1962, No 3803, p 5.

JPRS 14599

Concerning the Selection of Research Themes, by Yen Chung-p'ing, 26 pp. CHINESE, per, Hung-ch'i, No 12, 16 Jun 1962, pp 18-27.

JPRS 14595

Candidacy Dissertations in Chemistry in Czechoslovakia, 4 pp. CZECH, per, Chemicke Listy, Vol LVI, No 4-5, 1962, pp 476, 619.

JPRS 14730

Bulgarian Academy of Agricultural Sciences Announcement No 256, 4 May 1962, 5 pp. CZECH, per, Otechestven Front, Vol XIX, No 5527, 8 Jun 1962, p 2.

JPRS 14730

Fifth Meeting of the International Geophysical Cooperation of the Eurasian Region in Warsaw, by B. B., 7 pp.
HUNGARIAN, per, Idojaras, Vol LXVI, No 1, Jan/Feb 1962, pp 59-61.

JPRS 14731

34th General Assembly of the Hungarian Meteorological Society, by V. E., 3 pp. HUNGARIAN, per, Idojaras, Vol LXVI, No 1, Jan/Feb 1962, pp 61-63.

JPRS 14731

Totality, Development, and Dialectics in the Light of Cybernetics, by Oskar Lange, 54 pp.
POLISH, paper, Calosc, Rozwoj i Dialektyka w Swietle Cybernetyki, 1960, pp 1-72.

Scientific
Miscellaneous (Contd)

Plenary Sessions of the Departments and Scientific Committees of the Polish Academy of Sciences in the First Quarter of 1961, by Ludmila Szeworska, 26 pp.
POLISH, per, Nauka Polska, Vol IX, No 2 (34), Apr/Jun 1961, pp 261-267.

JPRS 14228

Connections Between Science and Life, by Witold Nowacki, 17 pp.
POLISH, per, Nauka Polska, Vol X,
No 2 (38), 1962, pp 19-30.

JPRS 14585

9th Electoral Assembly of the International Council of Scientific Unions (ICSU), by Ignacy Malecki, 14 pp.
POLISH, per, Nauka Polska, Vol X, No 2 (38), 1962, pp 137-141.

INFORMATION RECEIVED DURING AUGUST

ON COVER-TO-COVER TRANSLATIONS

Astronomicheskiy Zhurnal, Vol XXXIX, AIP
No 1, 1962. Sov Astronomy - AJ
Vol VI, No 1

Atomnaya Energiya, Vol XII, No 1, 1962. CB

....

Avtomaticheskaya Svarka, No 9, 1961. BWRA

Avtomatika i Telemekhanika, Vol XXIII, No 1/2, 1962. ISA

* Byulleten' Izobreteniy, No 5/6, 1962.

Section I - Chemical
Section II - Electrical
Section III - Mechanical & General Derwent Information Service

Byulleten' Eksperimental'noi Biologii i Meditsiny, Vol LII, No 11/12, 1961. CB

Doklady Akademii Nauk SSSR, (Chemistry

Section), Vol CXLI, No 1-6, 1961. CB

Doklady Akademii Nauk SSSR, (Physical Chemistry Section), Vol CXLI, No 1-6, 1961.

Doklady Akademii Nauk SSSR, (Soviet Amer Math Soc Mathematics), Vol CXLII, No 1-6, 1962. Vol III, No 1

Doklady Akademii Nauk SSSR, (Soviet AIP
Physics Section), Vol CXLII, No 4-6, Sov Phys - Dok
1962. Vol VII, No 2

Entomologicheskoye Obozreniye, Vol XL, No 4, 1961. AIBS

Geokhimiya, No 1-8, 1960. Geochem Soc

	Geologiya Nefti i Gaza, Vol IV, No 3-B 1960.	RRG
	Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, No 12, 1961.	СВ
	Izvestiya Akademii Nauk SSSR, Otdeleniye Khimicheskikh Nauk, No 1, 1962.	СВ -
	Izvestiya Akademii Nauk SSSR, Seriya Fizicheskaya, Vol XXV, No 7/8, 1961.	СТТ
	Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya, No 3, 1962.	AGU
*	Izvestiya Vysshikh Ucheb Zaved, Aviatsionnaya Tekhnika, No 3, 1961, 180 pp.	*FTD-TT-62-1111
*	Izvestiya Vysshikh Ucheb Zaved, Radiofizika, Vol V, No 3, 1962.	*JPRS
	Izvestiya Vysshikh Ucheb Zaved, Tekh- nologiya Tekstil'noy Promyshlennosti, No 6 (19), 1960.	Tex Inst
	Kauchuk i Rezina, Vol XX, No 10, 1961.	RAPRA
	Kolloidnyy Zhurnal, Vol XXIII, No 6, 1961.	СВ
	Kristallografiya, Vol VII, No 1, 1962.	AIP Sov Phys - Crystal Vol VII, No 1
	Liteynoye Proizvodstvo, No 2, 1962.	BCIRA
	Metallovedeniye i Termicheskaya Obrabotka Metallov, No 10-12, 1960.	Acta Metallurgica
*	Priborostroyeniye, No 1/2, 1962.	Taylor & Francis Ltd
	Pribory i Tekhnika Eksperimenta, No 6, 1961.	ISA

Radiokhimiya, Vol II, No 5, 1960.	AEC-tr-4578 PL-480 (PST 569)
Radiokhimiya, Vol II, No 6, 1960.	AEC-tr-4578 PL-480 (PST 570)
Radiotekhnika, Vol XVII, No 3, 1962.	AIEE
Stal, No 4, 1962.	BISI
Tsvetnye Metally, Vol II, No 7, 1961.	PS
Uspekhi Fizicheskikh Nauk, Vol LXXIV, No 1-4, 1961.	AIP Sov Phys - Uspekhi Vol IV, No 3, 4
Uspekhi Fizicheskikh Nauk, Vol LXXVI, No 1/2, 1962.	AIP Sov Phys - Uspekhi Vol V, No l
Uspekhi Khimii, Vol XXX, No 9-11, 1961.	Cleaver-Hume Press Ltd
Uspekhi Matematicheskikh Nauk, Vol XVI, No 5, 1961.	Cleaver-Hume Press Ltd
Vestnik Svyazi, No 6, 1962, (NY-7203).	*JPRS
Vestnik Svyazi, No 7, 1962, (NY-7204).	*JPRS
Voyennyy Vestnik, No 3, 1962.	ACSI I-0424-C ID 2191530
Voyennyy Vestnik, No 4, 1962.	ACSI I-0424-D ID 2191530
Zhurnal Analiticheskoy Khimii, Vol XVI, No 6, 1961.	СВ
Zhurnal Eksperimental'noy i Teoret- icheskoy Fiziki, Vol XLII, No 2, 1962.	AIP Sov Phys - JETP Vol XV, No 2

Zhurnal Neorganicheskoy Khimii, Vol I, No 1, 1956.

AEC-tr-4582 PL-480 (PST 571)

71 4 11 1 11 11 11 11 4 4 4 4 4 4 4 4 4	
Zhurnal Neorganicheskoy Khimii, No 8-9, 1961.	Cleaver-Hume Press Ltd
Zhurnal Obshchey Khimii, Vol XXXI, No 10-11, 1961.	СВ
Zhurnal Strukturnoy Khimii, Vol II, No 6, 1961.	СВ
Zhurnal Strukturnoy Khimii, Vol III, No 1, 1962.	СВ
Zhurnal Tekhnicheskoy Fiziki, Vol XXXII, No 2, 1962.	AIP Sov Phys - Tech Phys Vol VII. No 2

^{*} Table of Contents Not Available.

SOVIET ASTRONOMY

AJ

A Translation of "Astronomicheskii Zhurnal"

(Russian Origina' Vol. 39, No. 1, pp. 3-184, January-February, 1962)

Vol. 3, No. 1, pp. 1-144

July-August, 1962

CONTENTS

	PAGE	RUSS. PAGE
in XI II Congress of the Communist Party of the Soviet Union and the Tasks of Soviet		
As rollomy	1	3
The Or gir of the Slowly Varying Component of Solar Radio Emission. V. V. Zheleznyakov.	3	5
The 1 - ffect and the Spiral Structure of the Galaxy. I. L. Genkin	10	15
1. D. Kuz'min	15	22
A Chiticism of Metagalactic Hypotheses for the Origin of Cosmic Rays, V. A. Razin	20	29
ationous Spectra of Hot Stars. A. K. Kolesov	24	35
he Hypothesis Concerning the Cone of Avoidance in the Problem of the Origin of Cor-		
puscular Streams. É. R. Mustel'	28	41
Viscollity of Spots on the Solar Disk and East-West Asymmetry of Solar Activity. I.		
P. R. Kornanchuk	33	48
The Theoretical Interpretation of the East-West Asymmetry in Sunspot Activity, M. Kopecky.	40	58
Several Properties of the Yellow Haze Observed on Mars during 1956. I. K. Koval' and		
A. V. Morozhenko	45	65
ure an. "hysical State of the Surface Layer of the Moon. V. S. Troitskii	51	73
a or Theoremal Radio Emission in the Centimeter Band and Some Characteristics of the Sur-		
face to yer. A. E. Salomonovich.	55	79
isual Celo metry of the Lunar Surface. V. V. Sharonov.	62	87
A 180. ite Sp. ctrophotometry of the Gegenschein Continum, L. M. Gindilis	67	93
The Hosterouzation of Excited Complex Atoms and Ions. L. M. Biberman, G. E. Norman,		
and E Ul'yanov	77	107
essination c a Black Body Model at Various Temperatures. G. F. Utnik	84	116
hashe V. rian on of the Earth's Rotation during the IGY and IGC. N. N. Pavlov and G. V.		
Starl-on	90	123
Charle Origin of Δαα Errors. G. P. Pil'nik.	100	135
Automatic Per, amance of Astrometric Measurements of Lunar Plates with a Photoelectric		
Device. N. F. Fystrov	109	146
The Considerations on the Limar Gravitational Field. N. P. Grishinskii and M. U. Sagitov,	113	151
A F COMMUNICATIONS		
. v. iright i nhancement of the Infrared Helium Line 10830 A. P. V. Shcheglov	118	158
Available From American Institute of Physics Joviet Astronomy - AJ		

CONTENTS (continued)

Astronomicheskiy Zhurnal,		RUSS.
Vol XXXIX, No 1, 1962	PAGE	PAGE
Excess Ultraviolet Radiation in the Spectrum of FU Orionis. R. A. Bartaya	119	159
The Stellar Magnitude of the Jet in NGC 4486. V. I. Moroz	121	161
The Radio Emission Spectrum of Cassiopeia A at Frequencies below 30 Mc. S. Ya. Braude,		
A. V. Men', I. N. Zhuk, and K. A. Babenkov	122	163
Observations of the Source Sagittarius A on 1500 Mc. Ch'in Jung-hao	124	166
LETTER TO THE EDITOR R. E. Gershberg	126	169
BOOK REVIEWS Forty Years of Astronomy in the USSR: 1917-1957. S. A. Kapian	127	-170
K. A. Kulikov, A Course in Spherical Astronomy. D. V. Pyaskovskii	129	172
CHRCNICLES Extragalactic Astronomy and Cosmogony at the 1961 Conferences in California. A Survey of the		
Outstanding Problems in 1961. B. A. Vorontsov-Vel'yaminov	151	174
Conference on the Working Group on the Figure, Rotation, and Orbital Motion of the Moon. A. K. Osipov	138	181
Information to Authors	141	184
Available From American Institute of Physics		
Soviet Astronomy - AJ		
Vol VI, No l		

THE SOVIET JOURNAL OF ATDMIC ENERGY

A translation of ATOMNAYA ÉNERGIYA, a publication of the Academy of Sciences of the USSR

(Russian original dated January, 1962)

Vol. 12, No. 1

July, 1962

CONTENTS

	PAGE	RUSS. PAGE
Experiments on the Acceleration and Extraction of Ions in a Cyclotron with an Azimuthally	1	5
Varying Magnetic Field and Adjustable Energy. A. A. Arzumanov, R. A. Meshcherov, E. S. Mironov, L. M. Nemenov, S. N. Rybin, and Yu. A. Kholmovskii	8	12
D. V. Granatkin, Yu. A. Merkul'ev, and Ch. K. Smolik	17	22
Yu. P. Kayurin, and A. A. Kutuzov	26	30
E. D. Mal'tsev, F. P. Yudin, V. S. Shamin, and P. F. Dolgikh The Measurement of the Radioactivity of Short-Lived Gases in a Mixture of Fission Products.	32	36
V. A. Bryzgunov	37	40
Elastic Scattering of Neutrons by Titanium and Calcium Nuclei. G. N. Lovchikova	46	48
On the Scattering of Neutrons by Molecules, G. K. Ivanov	48	49
V. P. Kasatkin	51	51
and Yu. Ya. Sokolov	53	53
Cossibilities of Beam Stacking in a Synchrotron, Yu. M. Ado	55	54
G. N. Smirenkin, and A. P. Smirnov-Averin	57	56
L. S. Druskina, T. G. Dmitrieva, and Yu. A. Filippov Tables for the Design of Lead Glass Shielding for a "Broad Beam" of Gamma Rays.	57	57
L. M. Mikhailov and Z. S. Aref'eva	61	58
Iron, Nickel, Niobium, and Molybdenum at Energies up to 2.6 Mev. A. I. A bramov. Be? Concentration in Sea-Level Air and in Atmospheric Fallout. V. P. Shvedov.	65	62
Z. G. Gritchenko, and L. I. Gedeonov	68	64
Fallout. G. A. Sereda and V. B. Chumichev	70	66

Available From Consultants Bureau

CONTENTS (continued)

Atomnaya Energiya, Vol XII, No 1, 1962	PAGE	RUSS. PAGE
Instrumental Gamma Emission Spectra of Infinite Uranium Ore Strata. S. G. Troitskii. V. L. Shashkin, and K. I. Bykov	72	67
On the Possibility of Separate Determination of Community Thorium on the Basis of Data from Measurements of the Gamma Emission Spectra of their Ores in Place.		
S. G. Troitskii, V. L. Shashkin, and K. I. Bykova The "Atomic Energy for Peace" Pavilion at the Exhibit of Achievements of the National	76	70
Economy of the USSR for 1961	79	73
BRIEF COMMUNICATIONS	92	85
BIBLIOGRAPHY	94	86

Available From Consultants Bureau

CONTENTS

Avtomaticheskaya Svarka	Page
NO 9, 1961 SCIENTIFIC AND TECHNICAL	Numbers
The effects of nitrogen on the corrosion-resistance of welds in type 18-8 steels. A Akulov.	1 (3)
The prevention of cracking in welded joints between shows of 25KhGSA or 25KhGFA steels. P. T. Medvedev.	4 (6)
The metallurgical processes of oxidation of the ferromanganese in electrode coatings when heated. A. N. Bykov and A. A. Erokhin.	7 (10)
The effects of heating on the properties of welded joints between copper and aluminium. S. K. Sliozberg, S. K. Ginzburg and M. P. Sokolov.	15 (20)
The sensitivity of aluminium-zinc-magnesium alloys to but cracking during welding. 6. L. Petrov and A. 6. Makarov.	18 (24)
Experimental research into electron-beam welding guns $\kappa\cdot th$ long-focus spherical type projectors. O. K. Nazarenko and A. G. Povod.	25 (33)
The effects of electron-beam welding conditions on the parameters of welds. S. M. Gurevich and G. K. Kharchenko.	29 (38)
A method of making local gas analyses of the metal in ϵ ded joints. V. i. Lakomskii and N. i. Vykhrestyuk.	31 (41)
Terminology for gas-arc cutting. K. V. Vasil'ev.	36 (47)
INDUSTRIAL	
The ASG-NiT1 automatic welding machines. G. F. Andreeva. B. Kh. Voskan'yan, V. M. Elagin, i. i. Kuznets and E. P. Rad'ko.	40 (51)
A new method of consumable-nozzle electro-slag welding. J. A. Dudko, I. N. Rublevskii, I. V. Fed ¹ ko and B. F. Levedev.	46 (60)
Controlling slag pool depth during electro-slag welding, /u. N. Gotal'skii.	50 (65)
Alloy steel sheet welded in two runs from one side by anyon tunsten-and process. S. L. Mandel'berg and V. G. Gordonnyi.	52 (68)

"The figures in parentheres denote the page on which the article begins in the Russian issue.

Available From British Welding Research Association

CONTENTS (Contd)

Avtomaticheskaya Svarka No 9, 1961	Page Numbers
Valve rods for car engines hardfaced on high-frequency currents. E. I. Natanzon and G. M. Tel'nov.	57 (74)
Clad steel components for rolled sections produced by electro-slag hardfacing using electrodes of large cross section. G. V. Ksendzyk, V. P. Subbotovskii and V. S. Shirin.	60 (79)
A new method of manufacturing various types of clad steel tools. A. Ya. Shvartser.	62 (82)
Experience of using the radioactive isotope Eu-152/154 for inspecting welds. V. G. Okara, V. M. Fedoruk and D. V. Shatailo.	64 (85)
SCIENTIFIC AND TECHNICAL INFORMATION	
A holder for ateam-shielded welding. A. S. Glushchenko.	67 (89)
The automatic submerged arc wolding of the E1445R chromium-nickel-tungsten-molybdenum alloy. A. N. Safonnikov.	68 (90)
Welding Queries.	69 (92)
NEWS	
In the Coordinating Council for Welding.	71 (94)
The work of the sub-commission on equipment for inspiting welds.	71 (94)
A scientific and technical conference on the inspect or welded joints and hardfaced components used in rail transport. A. K. Gurvich.	73 (95)

Vol. 23, No. 1

Russian Original Dated January, 1962

June, 1962

CONTENTS

AVCOMECTRA 1 Telemenantra		RUSS.
	PAGE	PAGE
A Critical Case of Absolute Stability. V. M. Popov	1	3
IL. Correlation Functions and Spectral Densities of Output Signals of Pulse Systems,		
F. M. Kilin	22	25
The Investigation of a Gradient System of Automatic Optimization with Random		
Interference at the Input and Output of the Object, Ts. Ts. Paulauskas	31	34
The Functional Structure of Digital Controls, T. Ya. Khodorov	41	45
Simplified Method of Stepping-Relay Circuit Synthesis, V. D. Urin	47	52
Magnetic Logical Element for the Implication Function. N. P. Vasil'eva and J. Haskovec	51	57
Performance Analysis and Computation of a Magnetic Time Delay Element with a		
Short-Circuited Winding. V. S. Matorina and O. A. Sedykh	57	64
The Operation of a Magnetic Amplifier into a Counter-emf. M. A. Boyarchenkov and M. A.		
Rozenblat	69	77
A Differentiating Amplifier with Capacitance Feedback. L. Ya. Il'nitskil and L. Ya.		
Nagornyi,	80	91
Comparative Analysis of the Frequency Characteristics of an MDM-Type dc Amplifier for		
Two Modes of Operation. V. I. Anisimov	87	98
Computing Precision de Voltage Stabilizers from Specified Monotonic Transient Responses,		
V. M. Pustyl'nikov,	95	106
Reliability of Remote Control Systems, V. A. Lutskii	104	116
The Theory of Piecewise-Linear Systems with Periodically Varying Parameters, E. N.		
Rozenvasser	109	122
Supplement to the work "L. S. Pontryagin's Maximum Principle and the Optimum		
Programming of Rocket Thrust." V. K. Isayev	114	127
Dynamic Properties of a Synchronous Detector, L. A. Sinitskii and Yu. M. Shumkov.	115	125

Available From Instrument Society of America

AUTOMATION AND REMOTE CONTROL

Vol. 23, No. 2	Russian Original Dated February, 1962	July,	1962
CONTENTS			RUSS.
	Avtomatika i Telemekhanika	PAGE	PAGE
The Problem of Synthesizing	an Optimal Controller in Systems with Time Delay.		
		121	133
The Synthesis of Automatic (Control Systems with Random Inputs. N. !. Sokolov	126	103
	on of Space Distribution – Part IV. L. N. Fitsner	136	148
	Complex Roots of Algebraic Equations By Means of Analog	144	158
Random Process Probability D	arev, A. V. Martynov, and L. I. Yakunina	149	163
On the Mcchanical Synthesis	of Compensating Devices By Means of Adaptive Systems.	154	169
	', K, Chichinadze	160	176
	erator Using Magnetic Recording, M. G. Kalachev	169	186
	istance Multiplier. O. M. Kudryavtsev and R. A. Lipman	172	190
	ode Rings. G. I. Panov	177	196
Evaluation of the Combination	n of "Voltage-Code" Converters. M. G. Reinberg	183	203
	Skirta	191	214
The Noise Stability of a Freq	nuency Remote Control System For Pulse Noise. Yu, I, Chugin . mplification Coefficient of One-Loop Automatic Control	199	222
	Aperiodic Elements. L. G. Sobolevteristic By Means of Computing Elements of an Electronic	217	242
Analog Computer, <u>L.</u>	N. Darovskikh	219	244
SUNTEN			
	stems of Linear Algebraic Equations By Electronic Simulation	223	248
. I. LIOGRAPHY			
•	olems of Mathematical Simulation (on Analog Computing		
		232	236
s Prom In the	ement Society of America		

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE

A translation of BYULLETEN' EKSPERIMENTAL'NOI

BIOLOGII: MEDITSINY, a publication of the

Academy of Medical Sciences of the USSR

(Russian Original Dated November, 1961)

Vol. 52, No. 11, pp. 1225-1346	June,	1962
CONTENTS	PAGE	RUSS. PAGE
PITYSIOLOGY		
An Electroencephalographic Study of the Rhythm Assimilation Reaction Associated with Application of Double Light Stimuli, L. G. Makarova	1225	3
S. V. Tolova, and T. N. Kovaleva	1229	7
L. S. Ul'yaninskii	1234	13
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY On Certain Characteristics of Higher Nervous Activity in Adult Animals Antenatally Exposed to Ionizing Radiation, Report IV. State of Higher Nervous Activity in Adult White Rats Irradiated with a Small X-Ray Dose Every Day throughout the Entire		
Period of Antenatal Development, I. A. Piontkowskii and V. N. Semagin The Function of the Physiological Anticoagulation System in Reticuloendothelial Block.	1238	18
V. E. Pastorova, G. I. Roskin, and B. A. Kudryashov On the Characteristics of Respiratory Regulation following Certain Surgical Procedures in	1243	23
the Thoracic Cavity, An Electromyographical Investigation, I. A Panchenko On Non-Uniform Changes in the Electrical Activity of the Respiratory Muscles Associated with Experimental Injury of the Peritoneum, (The Question of Segmental Reactions	1247	27
of the Respiratory Muscles). T. I. Gory unova	1250	30
and A. A. Polgar	1256	35
Change in the Serotonin Content of the Blood and Organs in Rats during Experimental		
Pneumococcal Infection, Z. A. Popenenkova and T. N. Zavenyagina The Effect of Circulatory Disturbances and Edema of the Lungs on the Development and Course of Infectious Processes (Pneumonia) in Them. Communication II. The Effect of Edema of the Lungs Induced by Thiourea on the Development of	1263	43
Preumonia, N. G. Paikov	1266	47
G. M. Makoveeva, and S. V. Andrianovi	1270	51

Available From Consultants Bureau

CONTENTS (continued)

Byulleten' Eksperimental'noi Biologii i Meditsiny, Vol LII, No 11, 1961	PAGE	RUSS. PAGE
PHARMACOLÖGY		
Effect of Antibiotics of the Tetracycline Group on the Accounty of Liver Catalase.		•.
R. P. Porfir'eva	1274	54
Observations on the Biological Action of Plutonium-239. 1. A. Buldakov, Yu. I. Moskalev, and V. N. Strel'tsova	1277	57
The Effect of Adrenalin on the Contractures of a Frog's Rectus Abdominis Muscle Induced		
by Potassium Chloride and Proserine, R. S. Rybolovlev	1281	62
E. V. Moreva	1284	65
L. V. Donskaya and R. A. Khaunina	1288	69
The Effect of Certain Enzyme Poisons on the Myocardium in Different Temperatures.		
I. Szabo, E. Vass, and A. G. Gridneva	1291	72
Quantity and Quality of Conticosteroids in the Blood of Dogs and Guinea Pigs.		
N. P. Goncharov	1295	76
The Morphology of the Active and Inhibitory Phases of Immunity in Guinea Pigs Immunized	1000	00
with Heated Paratyphoid Vaccine. A. M. Igonin and E. M. Zemskov The Relationship between Allergy and Tetanus Antitoxin Immunity. L. G. Kovtunovich	1298	80
and E. A. Shablobskaya	1302	85
On the Possible Role of Ribonucleic Acid in the Mechanism of Antituberculosis Resistance.		
Report II. Ribonucleic Acid and the Ribonuclease Activity in the Organs of BCG Vaccinated and Tuberculosis Infected Mice, E. B. Lishnevskaya	1306	88
Materials on the Study of the Nervous Control of the Comprehentary Blood Function.	1000	00
V. I. Luk'yanenko	1309	92
ONCOLOGY		
Comparative Study of the Antigenic Properties of Cancer-Succina and Leucemic Tissue in		
Man. P. N. Kosyakov and V. S. Korosteleva Experimental Induction of Lung Cancer in Rats by Intratracheal Administration of 9, 10	1312	95
Dimethyl-1,2,-Benzanthracene. L. N. Pylev	1316	99
Development of Mammary Tumors in Rats after Parenteral Administration of Niobium-95.	1000	100
V. 1. Ponomar'kov	1320	102
Pearce Tumors. V. N. Balashev	1323	106
EXPERIMENTAL BIOLOGY		
Reactive Changes of Minced Skeletal Muscle Tissue after It: Subdutaneous Transplantation		
under the Abdominal Skin of Rats, G. M. Litver	1327	111
Mucosa, I. Kirikutse, V. Popesku, G. Sime, and I. Rogozan,	1331	115
Measurement of the Circulation Time, V. V. Suvorov	1334	1.3
The Spirodynamometer, A. A. Talakov	1336	131
The Changes in the Properties of Intestinal Juice According to the Method of Preparation.	1338	122
Z. M. Gadzhieva,,	1946	122

Available From Consultants Bureau

BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE

A translation of BYUILETEN' ÉKSPERIMENTAL'NOI

BIOLOGII I MEDITSINY, a publication of the

Academy of Medical Sciences of the USSR

(Rust on Original Dated December, 1061)

Vol. 52, No. 12, $p_i = (347-1470)$	July,	1962
COMMENTS	PAGE	RUSS. PAGE
PHYSIOLOGY Electrophysiological Results Concerning the Connections he ween the Pellidum and Other Parts of the Central Nervous System in Man. I. Connections Between the Pellidum and the Gerebral Cortex. I. M. Gil'man, I. M. Iryer, E. Yu. Rivina, and		
F. P. Yasinovskaya	1347	.3
Denervated Adductor Muscle of the Crayfish, M. Ya. Kuntsova	1351	8
Impulses, Z. S. Dontsova and A. E. Koropeva	1355 1359	10 17
PATHOLOGICAL PHYSIOLOGY AND GENERAL PATHOLOGY The Role of Vitamin B ₁₂ in Increasing the Nutritive Effect oness of Patenterally Administered Protein Hydrolysate in Surgical Trauma. V. V. E's oval and N. A. Fedorov	1363	2.1
On the Mechanism of Compensatory Diuresis Following Undisternal Nephroctomy in Dogs, S. S. Polushkina,	1368	28
V. N. Grafova, and A. A. Polgar Experimental Basis for Aminazine Therapy in Tetanus, E. A. Gromeve.	1370	,to
K. N. Tkachenko, and G. A. Romanov V	1378	33
E. M. Zemskov, and V. N. Milyutin	1383	45
BIOCHEMISTRY AND BIOPHYSICS The Effect of Microwaves on the Hormonal Activity of the Adrenal Contex, 4. L. Leites	44	
and L. A. Skurikhina	1387	47
N. M. Trunova, and A. B. Tsypin	1001	50
PHARMACOLOGY Reflexes from the Receptors of a Rabbit's Ear Vessels Evolute by Sodium Hitrate and Platyphylline and the Mode of Their Realization. S. A. Miranyan and T. G. Movsesyan	1095	54
The Effect of the New Ganglion-Blocking Substance Tetral one on the Organism's Reactivity to Insulin. L. M. Gol'ber and I. R. Runda	1399	58
Available From Consultants Bureau		

CONTENTS (Contd)

Byulleten' Eksperimental'noi Biologiy i Meditsiny Vol LII, No 12, 1961 The Effect of Novocain and Certain New Anticholinergic Drugs on the Course of Experimental 1402 61 MICROBIOLOGY AND IMMUNOLOGY Immunological Properties of Papain-Digested Antibacterial and Antiricketisial Rabbit Sera. A. Ya. Kul'berg, I. A. Tarkhanova, and N. M. Balaeva 66 The Change of the Type Antigenic Properties of Human Erythrocytes under the Effect of Some Proteolytic Enzymes, E. A. Zotikov and A. M. Ugolev....... 1409 Peculiarities of Immunostimulating Action Produced by Foreign Protein on Dogs Belonging to Different Types of the Nervous System and the Choice of Individual Doses of the 1412 72 ONCOLOGY On the Loss of Certain Organ-Specific Antigens by Cancers of the Human Stomach, 1416 76 Changes in Rat Connective Tissue Associated with the Development of Tumors Caused by Implantation of Cellophane. 🗗 V. Ol'shevskaya............... 1419 79 EXPERIMENTAL BIOLOGY A Study of the Mechanism Regulating the Growth of Organs During Embryogenesis. III. The Effect of Transplants from the Myocardial Tissue of Adult Chickens and Chick Embryos on the Myocard: m of Embryo-Recipients, 1, 1, Titova........... 1423 85 1426 88 The Action of Toad Venom on Wound Healing. L. Ya. Fishchenko and E. M. Neiko .. 1430 A Quantitative Determination in the Frog of Certain Microelements in the Regenerated Tissue During Healing of a Fractured Femur. A. M. Bolous 1433 96 The Genetic and Morphological Characteristics of Microphthalmic Mide (Blind Mutants), 1437 B. V. Konyukhov and D. M. Glukharev 100 A Portable Clinical Rheograph, G. I. Eninya and P. A. Ondzule 1441 105 Limiting Sensitivity of the Method of Precipitation in Agar, N. I. Khramkova 1443 107 Sergei Evgen'evich Severin (On His 60th Birthday),................ 1448 112

Available From Consultants Bureau

PROCEEDINGS OF THE ACADEMY OF SCIENCES OF THE USSR Chemistry Section

Volume 141, Numbers 1-6

November-December, 1961

CONTENTS

Doklady Akademiy Nauk SSSR, Chemistry Section	PAGE	RUSS. ISSUE	RUSS. PAGE
Some New Derivatives of Imido Esters. A. E. Arbazov and V. E. Shishkin	1073	1	81
Detection of α-Glycol Groups in Thin-Layer Chromatography on Silica Gel,			
L. D. Bergel'son, E. V. Dyatlovitskaya, and			
V. V. Voronkova	1076	1	84
I. B. Bersuker	1079	1	87
The Interaction of Sulfur with Rubber under the Influence of y-Radiation.		_	•
B. A. Dogadkin, Z. N. Tarasova, M. S. Fogel'son,			
and A. I. Kashlinskii	1082	1	90
An Investigation of the System Mn-Si in the Silicon-Rich Region,		_	
L. D. Dudkin and E. S. Kuznetsova	1085	1	94
The Use of Ion-Exchange Chromatography in Radioactivation Analysis of Trace Impurities in Silica. A. I. Kalinan, R. A. Kuznetsov,			
V. V. Moiseev, and A. N. Murin	1089	1	98
A Study of the Interaction of Aqueous Potassium Metaniobate with Oxalic Acid,			
A. V. Lapitskii, L. G. Vlasov, E. P. Artamonova, and			
Yu. Zyulkovskii	1092	1	101
Hydrogenation of Cerium-Magnesium Alloys, V. 1. Mikheeva and			
Z. K. Sterlyadkina	1094	1	104
Oxidation of Diisopropylmercury, G. A. Razuvaev, G. G. Petukhov,	1007		100
S. F. Zhil'tsov, and L. F. Kudryavisev	1097	1	107
A. N. Kost, A. A. Shchegolev, and A. P. Terent'ev	1099	1	110
Double Oxides in the System Uranium-Tungsten-coggen, V. K. Trunov,	1000	•	110
L. M. Kovba, and Vikt. I. Spitsyn	1102	1	114
A Comparative Study of the Kinetics of the Conversion of Various Hydrocarbons			
to Acetylene in an Electrical Discharge in a Static System.			
A. B. Tsentsiper, E. N. Eremin, and N. I. Kobozov	1104	1	117
Application of the Taft Equation to Hydride Transfer in an Acid Medium,		•	
S. G. Entelis and G. V. Epple	1108	1	121
Pyrolysis and Photolysis of Polyfluoronitrosoalkanes, the Reaction of Nitroso			
Compounds with Nitric Oxide, A. Ya. Yakubovich, S. P. Makarov, V. A. Ginsburg, N. F. Privezentseva,			
and L. L. Martynova	1112	1	125
A Study of the Structure of some Complexes of Copper Accetate and		•	100
Chloroacetates by Electron Paramagnetic Resonance. A. V. Ablov.			
Yu. V. Yablokov, and I. I. Zheru	1116	2	343
The Free Energy of Formation of Manganese Carbide Mn ₂₃ C ₆ .			
V. I. Alekseev and L. A. Shvartsmen	1119	2	346

CONTENTS (continued)

Do::lady Akademiy Nauk SSSR, Chemistry Section, Vol CXLI, Nos 1-0, 1961	PAGE		RUSS. PAGE
On the Interaction of Imido Esters with Alkyl Halides. A. E. Arbuzov and			
V. E. Shishkin	1122	2	349
Methods for Studying the Stability of Phthalocyanine Complex Compounds.			
B. D. Berezin	1126	2	353
Reactions of Polyfluorinated Nitrosoalkanes with Amines. S. P. Makarov,			
A. Ya, Yakubovich, V. A. Ginsburg, A. S. Filatov,			
M. A. Englin, N. F. Privezentseva, and	1130	2	357
T. Ya. Nikoforova	1130	2	301
and other Pyrrolizidine Bases, A. M. Likhosherstov,			
A. M. Krytsin, and N. K. Kochetkov	1134	2	361
Scandium Chalcogenides, A. A. Men'kov, L. N. Komissarova,		_	002
Yu. P. Simanov, and Vikt. I. Spitsyn	1137	2	364
Inhibitors of Free Radical Reactions. Autoalkylation of 3,5-Di-tert-Butyl-4-	-		-
-Hydroxybenzylamine, G. A. Nikiforov and			
K. M. Dyumaev	1141	2	368
The Decomposition of Diphenylmercury in Cyclohexane and Cyclohexene.			
G. A. Razuvaev, G. G. Petukhov, Yu. A. Kaplin,			
and L. F. Kudryatsev	1144	2	371
Sulfonation of 2-Veratryl- and 2-Piperonyl-1,3-Indandiones.			
A. Ya. Strakov, O. Ya. Neiland, E. Yu. Gudriniece,			
and G. Ya. Vanags	1147	2	374
The Effect of Hydrogen and of Argon on Electrocracking of Methane and			
Ethylene, A. B. Tsentsiper, E. N. Ereman, and			
N. I. Kobozev	1150	2	378
The Mechanism of Rearrangement of Imidoethers. A. E. Arbuzov and			
V. E. Shishkin	1153	3	611
The Mechanism of Polymerization of Epichlorohydrin over the Catalytic			
System FeCl3-Propylene Oxide, L. A. Bakalo, B. A. Krentsel',			
L. M. Pyrkov, A. V. Topchiev, and S. Ya. Frenkel'	1155	3	613
Catalytic Dehydrogenation of Alkylphenols, A. A. Balandin,			
G. M. Marukyan, and R. G. Seimovich	1158	3	616
Investigation of the Structure of Unsaturated Nitro Compounds by the Method of Dipole Moments, V. N. Vasil'eva, V. Perekalin, and			
V. G. Vasil'ev	1162	2	600
Synthesis and Investigation of the Structure of Double Prazonium Salts of	1102	3	620
Aluminum Halides, L.A. Kazitsyna, S. V. Pasynkevich.			•
and O. A. Reutov,	1166	3	624
Reaction of Alkyl- and Alkoxyoxazoles with Maleimide	1100	v	024
G. Ya. Kondrat'eva and Huang Chih heng	1169	3	628
Investigation of the Composition of Products of Reaction of Vanadium		•	000
Oxytrichloride with Triethylaiuminum. G. N. Petrov and			
A. A. Korotkov	1172	3	632
Synthesis of Carboxylic Acids and Their Esters from Carbon Monoxide and			
Alcohols with Acid Catalysts, K. V. Puzitsker, Ya. T. Erdus,			
and K. G. Ryabova	1176	3	636
Preparation of 2,2-Disubstituted 1-Aminoindan-Ones, Fig. Frequestics			
and G. Ya. Vanag	1178	3	638
Study of Polymerization of Cyano-Containing Organisals on Compounds,			
A. M. Polyakova, V. V. Korshak, V. N. Vdovin, and			
E. S. Tambovtseva	1161	3	641
Available From Consultants Bureau			

Doklady Akademiy Nauk SSSR, Chemistry Section, Vol CXLI, Nos 1-6, 1961	PAGE		RUSS. PAGE
The Structure of "Anomalous" Aminonitrile Comples Compounds of			
Divalent Platinum, Yu. Ya. Kharitonov, Ni Tszya-Tszan'			
and A. V. Babaeva	1185	3	645
The Reaction of \(\alpha \text{-Methyltrimethylene Oxide with Culorosilanes, Aluminum} \)			
Chloride, and Titanium Tetrachloride. N. I. Shuikin.	****	_	
I. E. Grushko, and I. F. Bel'skii	1189	3	649
Mass Spectrometric Study of the Vapor Composition above Rarc Earth Oxides,	773.00	•	450
S. A. Shchukarev and G. A. Semenov	T192	3	652
Their Electronic Spectra. Ya. A. Éidus, K. K. Venter, and			
S. A. Giller	1195	3	655
Catalytic Demethylation of Isomeric Cresols to Phenol by Steam.	1100	J	000
A. A. Balandin, T. A. Slovokhotova and Yu, Chia-yung.	1199	4	83 9
	1100	•	000
Organosilicon Compounds with Hydrogen Bridges between the Silicon Atoms			
Thermal Conversions. V. M. Vdovin, K. S. Pushchevaya, and	1200		
A. D. Petrov.	1203	4	843
Investigation of the Mechanism of the Reaction of Aryl Nitroso Compounds with			
Hydrazoic Acid by Means of N ¹⁵ . B. A. Geller and L. S. Samosvat	1206		047
Investigation of Selenocyanate Complexes of Cobalt and Nickel.	1200	4	847
A. M. Golub and V. V. Skopenko	1210	4	851
	1210	-1	031
The Structure of Sabinene Monohydrochloride, M. I. Goryaev and G. A. Tolstikov	1014		0.5
G. A. TOISTIKOV	1214	4	855
The Microstructure and Spectra of Benzylideneaniline and Azobenzene			
Derivatives and Their Salts. V. A. Izmail'skir and			
E, E, Milliaresi,	1216	4	857
The Reaction of 5-Alkoxyoxazoles with Mairie Anhydride,			
G, Ya. Kondrat'eva and Huang Chib heng	1221	4	861
The Composition of the Hydrolysis Products in Aluminium Chloride Solutions.			
Z A. Levitskii and V. N. Maksimov	1225	4	865
Microdetermination by Gas Chromatography of Carbon and Hydrogen in Organic			
Compounds. B. M. Luskina, S. V. Syavisillo,	1000		
A. T. Terent'ev, and N. M. Turkel'taub	1229	4	869
A New Principle to be Applied in the Preparation of Iodonium Compounds.	1000		
O. Neiland and G. Vanag	1232	4	872
K. K. Babievskii, and V. A. Shlyapos huskov	1235	4	075
Activities, Heats of Mixing, and Entropies of Mixing in Solid NiFe ₂ O ₄ - Fe ₃ O ₄	1230		875
Solutions, G. P. Popov and G. I. Chulbiov	1237	4	877
Calcium Germanates and Their Properties, S. M. Rossak and		•	011
I. A. Prokhvatilova	1240	4	880
Concerning the Constitutional Diagram of the System Amminum-Boron		•	000
V. T. Scrobryanskii, V. A. Epel'baum, and			
G. S. Zhdanov	1244	4	884
Thallium Polychromates. N. I. Bashilova	1247	5	1083
Evaluation of the Gemparative Electronegativities of substituents in Assimatic			
Heterocyclic Systems by a Potentiometric Method, 1, 1, Grandberg			
and A. N. Kost	1251	5	1087
The Comparative Acidity of Hydroxyl Groups of D-Gliscone, we and			
8-Methylglucovides, Maltose, and Cellobiose. S. A. Ders varskaya,			
G. S. Smirnova and A. A. Rogovin,	1254	5	1090
Available From Consultants Bureau			

Doklady Akademiy Nauk SSSR, Chemistry Section, Vol CXLI, Nos 1-6, 1961	PAGE		RUSS. PAGE
Synthesis of 2-Aralkyl-1,3-Indanediones by Catalytic Hydrogenation			
of 2-Aralkyliden-1,3-Indanediones, T. T. Dumpis and			
G. Ya. Vanags	1257	5	1093
Titanium and Tin Tetrachlorides as Radical Scavengers During Radiolysis	,		
of Hydrocarbons, V. F. Evdokimov, I. Ya. Poddubnyi, land	1001		1007
I. A. Kuzin	1261	5	1097
Diels-Alder Reactions of Divinyl Sulfoxide and of Divinyl Sulfone with	1264	5	1101
Symmetrical Dienes, E. G. Kataev and F. R. Tantasheva The Addition of Dialkyl Phosphites to 3,3'-Dimethoxy-4,4'-Biphonyl	1204	5	1101
Diisocyanate and Diphenylmethane 4,4'-Diisocyanate.	1268	5	1105
E. V. Kuznetsov and M. I. Bakhitov	1200	J	1100
and I. L. Ivanova	1270	5	1107
The Effect of Complex Formation on the Separation of Elements by	1210	3	1107
· · · · · · · · · · · · · · · · · · ·	1272	5	1109
Cocrystallization, N. B. Mikheev and L. M. Mikheeva	1212	U	1105
I. F. Nichkov, O. A. Ryzhik, and S. P. Rasponin	1276	5	1113
Synthesis of the Paraaminosalicylate Ester of Cayvinyl Alcohol.	1210	Ü	1110
S. N. Ushakov, L. B. Trukhmanova, É. V. Drozdova,			
T. M. Markelova	1280	5	1117
	1200	J	1111
Cis-Trans-Isomerization of Repeating Units of 1,4-Polybutadiene Under the			
Influence of Nitrogen Dioxide, I. I. Ermakova. B. A. Dolgoplosk, and E. N. Kropacheva	1283	6	1363
Investigation of the Infrared Absorption Spectra During Hardening of Resolic	1200	U	1049
Phenol-Formaldehyde Resin. L. A. Igonin, M. M. Mirakhmedov,			
K. I. Turchaninova, and A. N. Shabalin	1286	6	1366
The Simplest Unsaturated Dialkylhydrazones, B. V. Ioife and	1200	v	1500
K. N. Zelenin	1289	6	1369
Addition of Thiourea and Selenourea to Unsaturated Electrophilic Reagents.		v	2000
E. G. Kataev and L. K. Barinova	1293	6	1373
New Data on Reduction of Copper Oxides by Gaseous Reducing Agents at Low	,	Ü	1010
Temperatures (< 100°). M. S. Kurchatov	1296	6	1376
Isomerizational and Hydrolytic and Oxidative-Reductive Transformations of		ŭ	20.0
3-Carboxy-4-Carboxymethyl-5-p-Chloro-Phenylazotropolone.			
F. A. Mendelevich and M. M. Shemyakın	1299	6	1380
The New Sesquiterpenic Hydrocarbon Daucene, G. V. Pigulevskii and			
V. I. Kovaleva	1303	6	1384
Boron Compounds. Synthesis and Properties of Tri -(ω -Styryl)-Boron, $A \in \mathbb{M}$. We apply the v ,			
A. A. Prokhorova, and M. V. Kurashev	1305	6	1200
Equilibrium of the Tetrazole and Azide Forms in Benzothia zolotetrazole.	1909	0	1386
Yu. N. Sheinker, I. Ya. Postovskii, N. P. Bednyagina.			
L. B. Senyavina, and L. F. Lipatova	1307	6	1388
Reamangement of Some Organotin and -Lead Perexide Compounds.	2001	Ū	1000
V. A. Shushunov and T. G. Brilkina	1310	6	1391
Proparation of Fluorophenols by the Hydrolysis of Fluorophalobenzenes.	1010	3	2001
G. G. Yakobson, T. D. Rubina, and			
N. N. Vorozhtsov, Jr.	1314	6	1395
Author Index, Vols. 136-141		J	2000
Tables of Contents	1319		
Tooles Of Chitesia * * * * * * * * * * * * * * * * * * *	1326		

Available From Consultants Bureau

PROCEEDINGS OF THE ACADEMY OF SCIENCES OF THE USSR Physical Chemistry Section

Volume 141, Numbers 1-6

November-December, 1961

CONTENTS

Doklady Akademii Nauk SSSR		RUSS.	RUSS.
(Physical Chemistry Section)	PAGE	ISSUE	PAGE
• •			
Detection of Oxygen Atoms in a Rarefied Flame of Carbon Monoxide with Oxygen			
When Small Amounts of Hydrogen Are Added. V. V. Azatyan,			
L. A. Akopyan, A. B. Nalbandyan, and B. V. Ozherel'ev	815	1	129
The Mechanism of Chain Initiation When Cyclohexanol is Oxidized. E. T. Denisov.	817	1	131
Different Rates of Filtration of Anions and Cations through Fine-Pored Filters.			
V. A. Zharikov, T. N. Dyuzhikova, and E. M. Maksakova	821	1	135
The Emission of Positive Molecular Ions from Heated Surfaces in Vacuo.			
E. Ya. Zandberg and N. I. Ionov	825	1	139
Kinetics of the Decomposition of Alkali Metal Amalgams in Alkaline Solutions of			
Electrolytes. V. N. Korshunov and Z. A. Iofa	828	1	143
The Influence of the Structure of the Double Layer on the Polarographic Surface of			
Catalytic Waves of Hydrogen. S. G. Mairanovskii, L. D. Klyukina,			
and A. N. Frumkin	832	1	147
The Rate of Propagation of the Front of an Exothermic Reaction in a Condensed Phase.	002	-	
B. V. Novozhilov	836	1	151
A Study of the Thermodynamic Properties of Platinum-Lead Alloys. P. P. Otopkov,	000	•	101
Ya. I. Gerasimov, and A. M. Evseev	839	1	154
Study of the Secondary Structures Formed in Capron Fibers. K. Kh. Razikov,	003	•	104
G. S. Markova, and V. A. Kargin	841	1	157
Isotope Effect in the Radiolysis of Polyethylene. V. E. Skurat		1	161
Metastable Solutions of Calcium Silicates. Chou P'ing-i, O. I. Luk'yanova,	844	1	101
and E. E. Segalova	047		105
	847	1	165
The Vibration Spectra of Certain Alkyl- and Alkylalkenyl Stannanes (Sn ^{IV}).	000		100
N. A. Chumaevskii	850	1	168
Thermodynamic Properties of Ag-Bi Melts. A. A. Vecher and		_	
Ya. I. Gerasimov	854	2	381
The Theory of the Slip of a Gas Along a Solid Surface under the Influence of		_	
a Temperature Drop. B. V. Deryagin and S. P. Bakanov	857	2	384
Effect of Solution Concentration on the Conformation of a Polymer Chain in Solution.			
P. I. Zubov, Yu. S. Lipatov, and E. A. Kanevskaya	860	2	387
The Role of Phase Transformations in the Polymerization of Monomers in the Solid			
State, V. A. Kargin, V. A. Kabanov, I. M. Papisov, and			
V. P. Zubov	862	2	389
Ignition Limits in Turbulent Gas Mixtures. V. P. Karpov and A. S. Sokolik.	866	2	393
Diffusion of Iodine in Compressed Carbon Dioxide Near Its Critical Point.			
1. R. Krichevskii, N. E. Khazanova, and L. R. Linshits,	870	2	397
The Temperature Dependence of the Coordination Numbers of Particles in Liquid			
Solutions. V. I. Kuz'mich, V. K. Prokhorenko,			
O. Ya. Samoilov, and I. Z. Fisher	873	2	400
Polarization of Gas Electrodes in Contact with Solid Electrolytes. A. D. Neulmin,		-	• • •
S. V. Karpachev, and S. F. Pal'guev	875	2	402
		•	

Available From Consultants Bureau

Doklady Akademii Nauk SSSR (Physical Chemistry Section) Vol CXLI, Nos 1/6, 1961	PAGE	RUSS. PAGE	RUSS. ISSUE
Strengthening of Nickel Solid Solutions, L. I. Pryakhina and L. A. Ryabtsev Electron Paramagnetic Resonance Study of the Reaction of Molecular Oxygen with a	878	2	406
Stable Free Radical in Solution. A. A. Revina and N. A. Bakh Decomposition Kinetics of Alkali Metal Amalgams in Buffer Solutions. A. N. Frum kin	881	2	409
V. N. Korshunov and Z. A. Iofa	884	2	413
and S. M. Kogarko	888	3	659
Metals, S. D. Levina, K. P. Lobanova, and A. V. Vannikov The Infrared Spectra of Certain R-O-Li Compounds, A. P. Simonov,	891	3	662
D. N. Shigorin, T. V. Talalaeva, and K. A. Kocheshkov Isotopic Exchange between O_2^{18} and Molten $Na_2 W O_4^{16}$. V. I. Spitsyn,	894	3	665
V. G. Finikov, and G. N. Zykova	897	3	668
A. N. Frumkin, R. I. Kaganovich, and E. S. Bit-popova Intramolecular Energy Migration in the Radiolysis of Alkylbenzenes.	899	3	670
K. S. Bagdasar'yan, N. S. Izrailevich, and V. A. Krogauz Effects of External Irradiation on Sorption Parameters of BasO ₄ , V. V. Gromov	903	4	887
and V. I. Spitsyn	906	4	891
Rate of Dissociation of the Oxygen Molecule at High Temperatures. S. A. Losev Electrochemical Hydrogenization of Allyl Alcohol. M. E. Manzhelei and	909	4	894
A. F. Sholin	912	4	897
Sh. Sh. Raskin	915	4	900
M. V. Smirnov and O. V. Skiba	918	4	904
of the Inhibitor, A. D. Stepukhovich	920	4	908
V. V. Voevodskii	925	4	911
T. D. Tomashov, R. M. Al'tovskii, and M. Ya. Kushnerev Measurement of the Potential Drop at a Platinum Anode When the Polarizing Current	927	4	913
Is Broken. A. N. Frumkin and V. V. Schol'	931	4	917
N. Ya. Buben The Condensation (Sticking) Coefficient of Gas Molecules When Chemisorbed on a	935	5	1120
Metal Surface. V. M. Gavrilyuk	938	5	1124
B. M. Mogutnov	941	5	1127
The Leading Stage of Combustion. A. D. Margolin	945	5	1131
The Distribution of Potential at a Germanium-Electrolyte Solution Boundary.			
Yu. V. Pleskov and V. A. Tyagai	949	5	1135
S. Sat'yanarayan and N. V. Nikolaeva-Fedorovich Effect of Various Kinds of Radiation on Catalytic Dehydration of n-Decyl Alcohol. V. I. Spitsyn, Ion Maksim, G. N. Pirogova,	953	5	1139
I. E. Mikhailenko, and P. N. Kodochigov	956	5	1143
Available From Consultants Bureau			

Doklady Akademii Nauk SSSR (Physical Chemistry Section) Vol CXLI, Nos 1/6, 1961	PAGE	RUSS. PAGE	RUSS. ISSUE
After-Effects in the Action of Electron Pulses on Sulfuric Acid Solutions of Ferrous			
Sulfate Saturated with Air and Containing Ethyl Alcohol.			
L. E. Stolyarchik and A. K. Pikaev	959	5	1147
The Radiolysis of n-Hexane at Low Integral Doses (3 x 10 ¹⁸ - 1 x 10 ²⁰ ev ml).			
V. G. Berezkin, A. E. Mysak, and L. S. Polak	963	6	1397
The Effect of Radiation Energy on the Sublimation Rate of Solids.			
I. E. Zimakov and Vikt. I. Spitsyn	966	6	1400
The Theory of Electrical Double Layers in Concentrated Solutions. V. G. Levich			
and V. S. Krylov	969	6	1403
The Proton Magnetic Resonance of Selenourea. G. M. Mikhailov,			
A. G. Lundin, S. P. Gabuda, and K. S. Aleksandrov	972	6	1406
The Absorption of Water Vapor on Sulfonic and Carboxylic Cation Exchange Resins.			
B. P. Nikol'skif and N. F. Bogatova	975	6	1409
The Influence of Adsorbed Hydrogen and Oxygen on the Adsorptive Displacements			
of Potential at a Platinized Electrode. A. D. Obrucheva	979	6	1413
The Influence of Cations on Oxygen Overvoltage. A. N. Frumkin,			
R. I. Kaganovich, E. V. Yakovleva, and V. V. Sobol'	982	6	1416
The Influence of the Surface on the Form and Behavior of Molecular Pictures.			
V. A. Shishkin	986	6	1420
Author Index Vols, 136-141, 1961	991		
Tables of Contents, Vols, 136-141, 1961,	996		
The state of the s			

Doklady Akademiy Nauk SSSR, (Soviet Mathematics) TABLE O. CONTENTS (January, 1962 - Vol. 3, No. 1 - Francian Original TOM 142 - Nos. 1-6)

	Original page nos.	Page
Aizenstadt, A. Ja. Semisimplicity of the semigroup of endomorphisms of or-	(9–11)	1
Badaijan, G. V. Generalized regularly monotonic functions and a test for the absolute convergence of a quasi-power series.	(12–13)	3
Vainberg, B. R. The existence and uniqueness of a solution of certain elliptic equations over the whole plane.	(14–16)	5
Drožžinov, Ju. N./ On the stability of solutions of the Cauchy problem for a parabolic equation.	(17–20)	8
Il' in, V. A. The Fourier method for a hyperbolic equation with discontinuous coefficients,	(21–24)	. 12
Krasnosel'skii, M. A.; and Pustyl'nik, E. I. Tesis for complete continuity of linear and nonlinear integral operators.		
· · · · · · · · · · · · · · · · · · ·	(25–28)	16
Kuz'mina, G. V. Some covering theorems for univalent functions	(29–31)	21
systems,	(32–35)	24
Muhutdinov, R. H. A diophantine equation with exponential matrix function. Terpigoreva, V. M. Extremum problems for Orlicz classes of functions ana-	(36–37)	28
lytic in the unit circle.	(38-41)	30
Urazbaev, B. M. On the growth of the number of special absolutely Abelian fields.	(42–45)	34
Smuley, I. I. Bounded solutions to boundary value problems without initial conditions for parabolic equations and converse boundary value problems.	(46–49)	38
Vasil'ev, Ju. L. Irreducible disjunctive normal forms for certain classes of truth functions.	(263–265)	43
Džalarov, A.S. On the theory of best approximation of functions of several variables by entire functions of finite degree.	(266-269)	46
Eršov, A. P.; and Kožuhin, G. I. Estimates of the chromatic number of connected graphs.	(270-273)	50
Litvinčuk, G. S.; and Hasabov, E. G. Hilbert's boundary value problem with shift.	(274–277)	54
Ljance, V. E. A generalized notion of spectral operator.	(278-281)	59
Smirnov, S. V. Necessary and sufficient conditions for nomographability of functions of many variables.	(282-285)	
Fomenko, V. T. Isometries of surfaces of positive unvature under certain		63
Gel'fet, S. A. Extension of the Goluzin-Schiffer variational method to multi-	(286–288)	67
ply connected regions.	(503-506)	70
Geronimus, Ja. L. On Steklov's conjecture.	(507-509)	74
Davidenko, D. F. On the construction of difference equations for the approximate solution of the equation of Euler-Poisson-Darboux.	(510–513)	77
Avadana Brown Aba Awardana Makhamakana A		

Doklady Akademiy Nauk SSSR, Vol CXLII, Nos 1-6, 1962
(Soviet Mathematics)

Vol JII, No 1, 1962	Octobration	_
· ·	Original page nos.	Page
Džafarov, A. S. Theorems of weighted imbedding.	(514–517)	82
Korobeinik, Ju. F. Analytic solutions of Tricomi's equation.	(518-521)	86
Koroljuk, V. S. On the asymptotics of distributions of maximum deviations.	(522–525)	90
Lebedev, V. I. On four-point schemas of increased accuracy.	(526–529)	94
Lebedev, L. P. An efficient method of constructing best approximation procedures.	(530-533)	97
Leibenzon, Z. L. The uniqueness of the solution of the inverse problem for ordingry differential operators of order n 2, and the transformation of such operators.	(534–537)	100
Markus, A. S. Expansion in root vectors of a slightly perturbed self-adjoint operator.	(538-541)	104
Mel'nikov, V. On the behavior of trajectories of systems near to autonomous	(2.42 - 4.4)	
Hamiltonian systems.	(542-545)	109
Pasynkov, B. Absence of polyhedral spectra for bicompacta.	(546-549)	113
Sahnovič, L. A. Discrete spectrum of Schrödinger's radial equation,	(550–553)	116
Fomenko, O. M. On Dirichlet's L-functions.	(554–555)	120
Fuksman, A. L. Local properties of certain approximation operators	(556–559)	122
Has' minskii, R. Z. On certain differential equations encountered in the investigation of oscillations with small random perturbations.	(560-563)	125
Agaev, G. N. A theorem of Wiener type for series of Walsh functions	(751-753)	129
Andreev, A. F. A uniqueness theorem for a normal region of Frommer's second type.	(754–757)	132
Arnol'd, V. 1. On the behavior of an adiabatic invariant under slow periodic variation of the Hamiltonian.	(758–761)	136
Aršon, I. S.; and Evgrasov, M. A. On the growth of functions which are harmonic within a cylinder and bounded, together with their normal deriva-		• • •
tive, on its surface.	(762–765)	140
Bredihin, B. M. Binary additive problems with primes.	(766–768)	144
Vasil'eva, A. B. Asymptotic formulas valid on a half line for solutions of ordinary differential equations with a small parameter in the term involv-	(769 – 77 2)	147
ing the highest derivative	(773-775)	151
Vlasov, V. F. A constructive property of a certain class of functions	(775-775)	1)1
equations.	(776–777)	154
Gauhman, V. A. Affine connections on manifolds of almost complex structure	. (778–780)	156
Gorin, E. A. A property of the ring of all continuous functions on a bicompactum.	(781-784)	159
Eckov, A. P. Reduction of the problem of nemory allocation in programming to the problem of coloring the vertices of graphs.	(785–787)	163
Zolotarev, V. M. On a general theory of multiplication of independent		
random variables.	(788-791)	166
Mihlin, S. G. The Ritz method in nonlinear coblems.	(792–793)	170
Available From the American Mathematical Society		

Doklady Akademiy Nauk SSSR, Vol CXLII, Nos 1-6, 1962

(Soviet Mathematics)	, 1,02	
Vol III, No 1, 1962	Original page nos.	Page
Ptudnikov, A. P. On theory of operational calculus.	(794–797)	172
Rodin, Ju. L. Integrals of Cauchy type and boundary value problems for		
generalized analytic functions on closed Riemann surfaces.	(798–801)	177
Sazonov, V. V. Some results concerning perfect measures.	(802-803)	181
Sobolevskii, P. E. Green's functions for arbitrary (in particular, integral) powers of elliptic integrals.	(804-807)	183
Sain, B. M. Representation of semigroups by means of binary celations	(808-811)	188
Èidel'man, S. D. On boundary-value problems for parabolic systems in a half space.	(812–814)	191
Agranovič, M. S. On the index of elliptic operators.	(983-985)	194
Budak, B. M. Homogeneous differential-difference schemes of second order	()-23 /-2/	•/•
accuracy for parabolic and hyperbolic equations with discontinuous coefficients.	(986–989)	198
Gudkov, D.A. Bifurcation of simple double points and cusps of real plane algebraic curves.	(990-993)	202
Džuraev, A. A general linear boundary value problem for the equation $\Delta u +$		
$\lambda c(x, y)u = 0.$	(994-997)	206
Ivanov, V. K. Integral equations of the first kind and an approximate solu- tion for the inverse problem of potential,	(998–1000)	210
Ivašev-Musatov, O. S. M-sets and Hausdorff measure.	(1001-1004)	213
Kozmidiadi, V. A. Sets enumerable and solvable by automata.	(1005-1006)	216
Košelev, A. I. Convergence of the method of successive approximations for quasilinear elliptic equations.	(1007–1010)	219
Kraplin, M. A. Integral and meromorphic solutions for a certain class of dif- ference equations.	(1011–1014)	
Medvedev, Ju. T. Finite problems.	(1015–1014)	223
	(101)-1018)	.227
Mil'man, V. D. The transformation operator for Sturm-Liouville differential equations in the non-selfadjoint case.	(1019-1021)	231
Mordasova, G. M. Asymptotic behavior of the eigenvalues of a linear integral equation with discontinuous kernel.	(1022–1025)	234
Panejah, B. P. On certain problems of harmonic analysis.	(1026-1029)	239
Rodin, Ju. L. Algebraic theory of generalized analytic functions on closed Riemann surfaces.	(1030–1033)	243
Sazonov, V. V. Some results concerning characteristic functionals.	(1034-1035)	247
Siraždinov, S. H.; and Mamatov, M. On a local theorem for densities	(1036-1037)	249
Teptin, A. L. On the sign of Green's function for a second-order linear dif- ference boundary-value problem.	(1038–1039)	251
Tolstov, G. P. Derivative and integral from a general point of view.	(1040-1042)	
Cekanovskii, E. R. On model elements of non-selfadjoint operators.	(1043-1046)	253
Ščukin, K. K. On the theory of radicals in groups.		256
Ventcel', A. D. On continuous additive functionals of a multidimensional Wiene		260
process		264

Available From the American Mathematical Society

Doklady Akademiy Nauk SSSR, Vol CXLII, Nos 1-6, 1962

(Soviet Mathematics) Vol III, No 1, 1902 Original page nos. Groza, L. A. Asymptotic behavior of solutions of a second-order linear differential equation in Banach space as a small parameter with the first (1227 - 1230)267 and second derivatives approaches zero. Gromyko, V. P. Some criteria for generalized solvability and speciality of (1231-1232)271 md-groups. Gudkov, D. A. Variability of simple double points on real plane algebraic 273 curves, (1233 - 1235)D'jakonov, E. G. The method of nets for solving parabolic equations of order 2m with séparable variables. (1236 - 1238)276 Ismagilov, R. S. Conditions for self-adjointness of differential operators of (1239 - 1242)279 higher order, Kondrasov, V. 1. On the theory of boundary-value problems with conditions at the boundary containing parameters. (1243 - 1246)284 Máté, L. On a semigroup of operators in Fréchet space. (1247 - 1250)288 Melent'ev, B. V. An existence theorem for the solution of a boundary value (1251 - 1254)292 problem for an equation of mixed type. Novoselov, E. V. Topologico-metric properties of the multiplicative lattice of the integers, (1255-1257) 296 (1258-1260)Ponizovskii, I. S. A note on commutative semigroups. 299 Tupcier, V. A. The existence, uniqueness and asymptotic behavior of the solution of a boundary-value problem for a system of differential equations with a small parameter in the term containing the highest deriva-(1261-1264)302 tive.

Available From the American Mathematical Society

Soviet Physics

DOKLADY

A Translation of the Physics Section of the Proceedings of the USSR Academy of Sciences

(Russian Original Vol. 142, Nos. 4-6, February, 1962)

Vol. 7, No. 2, pp. 99-172	Αι	igust,	1962
CONTENTS			
Doklady Akademiy Nauk SSSR		RUSS.	RUSS.
	PAGE	ISSUE	PAGE
CRYSTALLOGRAPHY The Floring Properties of Ammonium Dihudraphosphate and the Laugh-Raman			
The Elastic Properties of Ammonium Dihydrophosphate and the Laval-Raman Elasticity Theory. K. S. Aleksandrov and L. N. Ryabinkin	99	6	1298
The Crystal Structure of Beryllonite, NaBePO ₄ . N. I. Golovastikov	102	6	1301
MATHEMATICAL PHYSICS			
The Heating and Melting of a Solid Body by Friction. L. I. Rubinshtein	106	5	1061
		-	
MECHANICS			
On the Theory of Gyroscope Follow-Up in the Presence of Random Interference.	110	5	1050
1 Ya. Roitenberg	110	Ü	1000
Suspension on the Nutation and Drift of a Gyroscope. S. A. Kharlamov	114	5	1054
A Generalization of a Theorem of Huygens. V. A. Chikin	118	5	1058
PHYSICS			
On the Nature of Unusual Magnetic Phenomena Found in Certain Organic Materials.			
Ya. G. Dorfman	121	4	815
Theory of Kinetic Effects for Small Current Carrier Mobility. M. I. Klinger	123	5	1065
Potential Functions of Molecules of the Homologous Series (CH ₃) _n SiBr _{4-n} .			
I. F. Kovalev	127	5	1069
Some Properties of Secondary Ion-Neutral Emission. U. A. Arifov, N. N. Flyants, and			
A. Kh. Ayukhanov	131	6	1265
On the Spectrum of Elementary Excitations in the Theory of Superconductivity.	124	6	1069
E. R. Velibekov. The Applicability of the Dielectric Constant for the Characteristics of Interaction in	134	•	1268
Solutions. V. V. Zelinskii and V. P. Kolobkov	138	6	1272
The Interpretation of the L _{B2} Emission Band of Niobium. M. I. Korsunskii and	,	•	•
Ya, E, Genkin	141	6	1276
Diamagnetic Susceptibility and the Experimentally Determined Electron Density			
Distribution in Crystals. N. N. Sirota	143	6	1278
The Generation Strength of a Plane-Parallel Layer. B. I. Stepanov and A. M. Samson.	147	6	1232
TECHNICAL PHYSICS			
Compression of Elastoviscous Cylindrical Bodies in Plastometers with Plane-Parallel			
Plates. A. I. Lukomskaya	149	6	1285
Consertation of Dislocation Structures in Phase Transitions. L. I. Mirkin	152	6	1289
Available From American Institute of Physics			
Jeviet Physics - Doklady			
Vol VII No 2			

Vol VII, No 2

Doklady Akademiy Nauk S3SR, Vol. CALII, Nos 4-0, 1972	PAGE	RUSS. ISSUE	
The Detailed Crystal Structure of Deformed Rhenium. I. N. Frantsevich and			
I. E. Shiyanovskaya	154	6	1291
M. I. Chaevskii	156	6	1294
BIOPHYSICS			
Comparative Effectiveness of Direct and Indirect Action of Ionizing Radiation on DNA.			
M. I. Mekshenkov	161	4	944
Rate of Phospholipid Metabolism in Central Nervous System of Rats During Acute			
Radiation Sickness. S. V. Gasteva and D. A. Chetverikov	164	5	1180
Steady States of Open Systems and Theory of Color Vision. A. K. Prits	167	6	1403

ENTOMOLOGICAL REVIEW

A translation of the quarterly journal—ENTOMOLOGICHESKOYE OBOZRENIYE—a publication of the Academy of Sciences, USSR.

October-December, 1961 Volume 40. Number 4 CONTENTS Russian Page In Preparation for the 22nd Congress of the Soviet Communist Party BEY-BIYENKO, G. YA., Some Features of Changes in Invertebrate Fauna when Virgin Steppe is TANSKIY, V. I., Formation of the Thrips (Thysanoptera) Fauna on Wheat in the New Agricultural Lands of Northern Kazakhstan..... SKUHRAVÝ, V. and K. NOVÁK, The Study of Field Crop Entomocenoses..... GUSYNINA, L. M., On the Biology of the Currant Aphis, Cryptomyzus Galeopsidis Kalt. (Homoptera, Aphididae) PAVLOV, I. F., Ecology of the Stem Moth Ochsenheimeria Vaculella F. -R. (Lepidoptera Tineoidea) BLAGOVESHCHENSKIY, D. I., The Biological Basis for Control of Poultry Ectoparasites SELENS, YU. YE. and K. YU. PUL'VER. On the Possibility of Chemical Control of the "Karakurt" (Steppe Spider) (Latodectus Tredecimguttatus Rossi) MARTYNOVA, YE. F., Collembola Fauna of Ethiopia CHERNOVA, O. A., The Taxonomic Position and Geological Age of Mayflies of the Genus Ephemeropsis Elchwald (Ephemeroptera, Hexagenitidae) GUR'YEVA, YE. L., Click Beetles of the Genus Megapenthes Kiesenw. (Coleoptera, Elateridae) in the Fauna of the U.S.S.R. REMM, KH. YA., Estonian Species of the Genus Atrichopogen Kieffer (Duptera, Heleidae), IL
Description of Three New Species and Key for the Identification of Estonian Species of
the Subgenus Atrichopogon S. STR GRUNDI, K. YA., On the Larva of the Kangaroo Bot Fly (Tracheomyia Macropi Frog) (Diptera, Oestridae) From Australia GORODKOV, K.B., An Extremely Simple Microprojector for Drawing Justices REVIEWS AND BIBLIOGRAPHY ZINOV YEV, G. A., Materials on the Problem of Dendrollmus Sibiricus Techty. (Materialy Po Probleme Sibirskoge Shelkopryada). Siberian Department, USSR Avademy of Sciences, Novosibirsk, 1960: 1-136 BULYGINSKAYA, M. A.. Report of the Seventh Commonwealth Entomological Conference (6-15 July, 1960) Commonwealth Institute of Entomology, London, 1860 GUTSEVICH, A. V., Mosquitoes of Medical Importance, by: R. H. Foste and D. B. Cook, Agricultural Handbook No. 152:1-158, Washington, 1959

NARCHUK, E. P., Studies on Scandinavian Ephydridae (Diptera, Brachycera) R. G. Dahl, Opuscula Entomologica, Suppl. XV, Lund, 1959, pp. 224. 1 Map



GE CHEMISTRY

A Translation of

No. 1 Geokhimiya 1960

COMMENTS

Polevaya, N. I., G. A. Kazakov, B. J. A. Murina. Glaucenites	
as indicators of geologic time	1
Ginzburg, A.J., S. A. Gorzhevskaya, E. A. Errebeya, and	
G. A. Sidorenko. Chemical restriction of the bitragonal	
titano-tantalo-niobates	12
Borovik-Romanova, T. F., and A. Sosedko. challism-	
rubidium ratio in minerals from the Rola of a compegma-	
tites according to the data of a cotrographic analysis	34
Ordzhonikidze, K.G.: Relative abuse med of lithisms isotopes in '	
uranium minerals and meteories	43
Ivanov, V. V., and N. V. Lizunov. On contain peculiarities of	
the distribution of indium in each genetic one do so its	53
Barsukov, V. L., and N. N. Deryug at. An experimental investi- gation of the conditions of formation of kotoite-ascharite	
ores	66
Grigoryan, G. O. Parageneses and enditions of formation of	,,,
lead-antimony ores	72
Chesaokov, B. V. Trivalent titanian in the eclosites of the	
Southern Urals	81
Yanshina, M.S. Potassium in the around waters of the Moncow	
artesian basin	86
Kochkin, G.B. Short communication - Petrological and geo-	
chemical characteristics of the abaskites of the flymensk	
depression (Gornyy Altay)	92
Devirts, A. L., and M. S. Chupakl. News - International	=
symposium on C ¹⁴	96
Khitarov, N. I. The first All-Union Volcanological Conference	98

Published by
The Geochemical Society



GE MUEMISTRY

A Translation of

No. 2

eokhimiya

1960

CONTENTS

Zlobin, B.I., and V.I. Lebedev. Geochemical Relationship of	
Li, Na, K, Rb and Tl in alkalic magma and its petro-	
genetic significance	101
Pavlenko, A. S., Hsiao Chung-Yang, and L. N. Morozov.	
Geochemical description of grantfolds with accessory	
tantalo-niobates	125
Balashov, Yu. A., and N. V. Turan & ya. Characteristics of	
composition of the rare earth in cadialytes and loparites	
of the Lovozero massif	144
Mineey, D. A. Certain geochemical peculiarities of the radio-	
active rare earth minerals	156
Ivanitskii, T.V., and N.D. Gvaram size. Content and distribu-	
tion of certain dispersed elements in the principal sulfides	
of the lead-zinc and polymetallic deposits of Georgia	167
Migdisov, A.A. On the titanium-aluminum ratio in sedimentary	
rocks	178
Egorov, A.P. The role of magnesium in metasomatic rocks	
with borate mineralization	195
	100
Bur'yanova, E. Z. Mineralogy and geochemistry of cadmium in	000
the sedimentary rocks of Tuva	209
Levskii, L. K. Brief communication - Inert gases in two iron	
meteorites	218
Golubchina, M. N. The behavior of τ_{i} on and monazite in granite	
during heating	220
Tarasov, L. S. News - International Ochemical conference in	,
Budapest	223

Publicated by

The Geoches ical Society



GE CHEMISTRY

A Translation of

No. 3	Geokhimiya	1960
	The state of the s	
		* * * * * * * * * * * * * * * * * * *

CONTENTS

• •		
Editorial: arnin, V.I		227
Makarov, E.S., I.M. Lipova, I.F. Dilmanova, and A.A.		
Melik'yan. Crystal constitution of uraninites and	•	
pitchblendes		229
Marakushev, A. A. Oxidation-reduction processes and the	acidity	
of postmagmatic solutions		253
Shevaleevskii, I. D., A. Sp. Paylenko and E. F. Vainshtein.	A. 1	
Dependence of the behavior of zeronium and balanum of	the	
petrochemical characteristics of igneous and alkalic	1.	
metasomatic rocks	1	262
Zainullin, G.G. Certain problems to be geochemistry of	*!	
selenium and tellurium in the comper-nickel deposits of	f the	
Noril'sk region		273
Naumov, G.B., and O.F. Mironov Midation-reduction		
equilibrium in the system urans assiron in a carbonate		
environment and its significance to ge ochemistry		286
Bardoshy, D., and M. Bod. A new sethed for measuring	tre	
redox potential properties of sementary rocks		294
Ozerova, N.A. On the genesis of to coury-antimony ores		
Southern Fergana		300
Cherdyntsev, V. V., L. I. Shmonin. F. Ostapenko, C. D.		
Khaldeev, and L. L. Kashkarov. Acutron radiation of	the	
earth		311
Syromyatnikov, N. G. Interphase to spic exchange of 1234	and	
U ²³⁸		320
Levskii, L. K. Alsorption of cosme mutation by iron	7	
meteorites		328
Atrashenok, D. Ya., G. V. Avdzeik. A. Ya. Krytov. and		
Yu. I. Silin. Brief communications - The absolute ago	ાં ક	
the "Monastyrskii" granites of Colina		333
Konstantinov, M. M., and R. P. Rafal'skii. On the solution	ı of	
galena and transfer of lead under near-surface condition	ons	336
Storonkin, A. V. Discussion - On the results of discussion	·φ[
some of D. S. Korzhinskii's the readynamic derivation.	S • • • •	340

Publ cd by

The Geoche Head Society



GE CHEMISTRY

A Translation of

No. 4 Geokhimiya 1960

CONT. ITS

Borodin, L. S., and R. L. Barinski there cartles in no ovskites	040
(knopites) from massifs of ultrassic alkatic rocks	343
Tugarinov, A.I., R.N. Shcherbakov, and V.P. Bedeinov.	
Isotopic composition of lead in the Dieste region	352
Sitnin, A.A. Distribution of rare electrics in amandonite granites	
of the Etyka massif (Eastern Transbaikaliyan	361
Nesterenko, G. V. Certain features of slearn formation at the	
Tyrny-Auz deposit	373
Malyuga, D. P., V. R. Nadiradze, Yo. M. Chargeisheili, and	
A. I. Makarova. The biogeochemical method of prospecting	
under conditions of the alpine pass of Western Georgia	390
Ginzburg, I.I., K. M. Mukanov, and L. P. Poluzerov. Copper	
and lead in the soils of the Uspen the copper deposit of	
Central Kazakhstan	402
Ayabchikov, I.D. Effect of the degree of disequilibrium during	
crystallization on the behavior of trace element	412
Nesterova, I. L. Chemical composition of the suspended and	
dissolved loads of the Ob River	424
Ekzertsev, V. A. Production of methode by intercorganisms in	
petroleum deposits	432
Lyustikh, E. N., and A. Ya. Saltykovskii. Brief Communica-	
tions. Some hypotheses of the origin of the earth's grantic	
layer	443
Chardentees 17 17 17 A Tophost VII A Surema 1) II	110
Cherdyntsev, V. V., E. A. Isabaev, An. A. Surgov, D. P.	
Orlov, and E. P. Usatov. Excess of U ⁷³⁵ in magnetite with	446
high actinium content	440
Lukashev, K.I. News. Conference on the study of geochemical	450
and biogeochemical provinces of the Belorussian SSR	400
Glazovskaya, M. A., and K. M. Muka Conference on geo-	450
chemical prospecting for copper suffice deposits	452

Public will by

The Geoche Real Society



GE: CHELIISTRY

A Translation of

No. 5

Geokhimiya

1960

CONTENTS

Vinogradov, A. P., A. I. Tugarinov, C. I. Zykov, and N. I.	
Stupnikova. The age of pegmanage of the Stanovoi	
complex	~ 455
Ovchinnikova, G. V. Determination of the beta-decay constant	
of Rb ⁸⁷ by a geochemical meth	466
Barsukov, V. L. On mineral-indicates of the boron content in	
skarns	475
Stavrov, O. D., and V. G. Khitrov. The ron in rocks and pegma-	
tites of Eastern Sayan	482
Ontoey, D.O., P. N. Nissenbaum, and M. I. Organova. Tho	
nature of high bismuth and silv ontents in airm of the	
Bukukinsk deposit and some process of isomorphism in	
the system PbS-Ag ₂ S-Bi ₂ S ₃	494
Voroblev, G. G. The chemical cone sition of telephone and the	
problem of their origin	511
Ivanov, V. V. Origin and classification of recent hydrotherrial	
waters	531
Kosterin, A. V., I. D. Shevaleevskii and E. K. avoniova. The	
Zr/III ratio in the zircons of so a impeous week to the	
northern slope of the Kuramin Montain Range	541
Wyllic, P. J., and O. F. Tuttle. Di. Assion as Loveton perature	
liquid phases in the system Cocy (1) - Hatt	546
Syromyatnikov, F.V. The suitable of the moth data tenching	
capsules in the study of non-glass scriming by to a	553
Korzhinskii, D.S. Duality in the or intion of the resolvanuaic	
systems	558
Brodskii, A. A. News - Interdepartmental confer more on	3.70
hydrogeochemical methods of the preeting for one	561

Pub!

The Geoche real Society



GE DOLLMISTRY

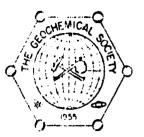
A Translation of

		-			 	
No.	6	Ge	okhi	miya.	1960	

Vinogradov, A. P., L. S. Tarasov, and S. I. Zykov, Inotopic	
composition of leads from pyrice are deposite of the	
Urals	565
Baranov, V. I., V. K. Khristianov, B. V. Karasev, one S. S.	
Korobov. Neutron borometric anathing	586
Vainshtein, E. E., I. T. Aleksandrove, and N. V. Turanskaya.	
Composition of the rare earths to guidolinites from deposits	
of different genetic types	593
Borodin, L.S. Correlations among a ore-earth elements and	
some characteristics of their fractionation under andogenic	
conditions	604
Ganeev, J. G., and N. P. Sechina. An ageochemical populiarities	
of wolframites	617
Bryzgalin, O. V. Chemical character of tungsten-hearing solu-	
tions in the skarn ore-forming process.	624
Manskaya, S. M., T. V. Drosdova. A M. P. Emelyanova.	
Distribution of copper in peats a spent solls of h	
Belorussian SSR	630
Sofiev, I.S., and I.N. Semasheva. Same Communications	
Germanium distribution in coal expedients	644
Morachevskii, D. E., and A. A. Needle via Character ties of	
migration of rhenium from more sentes	648
Gerasimovskii, V.I., and V.I. Leberty. Cesium content in the	
rocks of the Lovozero massif.	652
Lebedev, V.I. Discussion - Boron are chy manifester	6.7
Belov, N. V. Boron diadochy in sitiscient from the penn of view	
of crystal chemistry	663
Makarov, E.S. News - Second V. 1 commobility School tic	
Booding	671

Publicated by

The Geocherical Society



GEO HITT ISTRAY

Granes on of

No. 7

Geokhimiya

1960

CONTENTS

Vinogradov, A. P., A. L. Tugarinov, S. I. Zylov	and side Stopm Royal.	
The age of rocks of the Aldan Shield		673
P'u, Ll, Ch'eng Yu-Ch'ih, T'U Kuong-Chile.	a. Temperanes S.A. Wkov.	
N. L. Stupníkova, K. G. Knorre, N. L. Po-	ya, and S. E. Bom ff.	
Absolute ages of rocks of the Chinese 🤒		682
Khitarov, N. I. Relations between water and	ogovejao moitsa, karala 🗼 🧎 🤇	699
Geresimovskii, V.I., and L.I. Nesmeyanova	a en al and a incidit incidition	
in the rocks of the Lovozero massif		704
Suiderakova, Z.V., and L.I. Pavlenko. Ce:	se bagasen ta diol yb ⊷j	
denum in alkaline rocks of the East Tu	of the Southern Control	
Caucasus		709
Lifel'shtein, L.L. The geochemistry of nicket -		718
Kukharenko, A.A., E.E. Vainshtein, and b. i.	he derest (
Zirconium and hafnium ratios in rock-io	og pyrosones av suo en	
preconfum minerals of the Paleozoic co-	a siste altrabacie, in d	
alkaline rocks of the Kola Peninsula .		730
Balashov, Yu. A., and N. V. Turanskaya. 🙃	высит инскинять в В іс	
rare-earth elements in lamprophyllite.		740
Mass rova, A. I. Biogeochemical investigation		747
Lisitsin, A.K. Uranium content of oxidizing		761
Dynkov, Yu. M. The genesis of pitchblende -		769
Dobrovol'skii, V.V. Trace elements in the	om concurrients in a t he	
middle Upper Quaternally deposits of an		775
Amirkhanov, Kh. I., S. B. Brandt, and E. K.	Indskii.	
Discussion — Gerling's method of determ	tota of perity glesses rigy	
of radiogenic gases in mi		778
Garring, E.K. Concerning the article by Kar	or Orlehanne, he te	
Brandt and E. N. Bartnitskii: "Gerling"	that and the sum to said of	
activation energy of radiogenic gases in		783
Galashchenko, S.M., Yu. V. Kuznetsov, K.	Contracting National Republication	
and D. S. Nikolaev. Letters to the editor	to sellated as 1 the supper	
by V. I. Baranov and L. A. Khristianov.	of endividue Chellen (1975)	
Coean waters"		785
Bermov, V.L., and L.A. Khristianova. Reply	to the comments of L.M.	
Grashchenko, Yu. V. Kuznetsov, V.K. 1	an aud D.S. Nikosos on 👝 🥛	
"Radioactivity of Indian Ocean waters"		788
V pashico, M. G. Nikolai Semenovich Kilimalo		
ois work in Geochemistry (1000 Control of the contr	25:42:44 .	790
Buttinov, V.I., and K.G. Knorre. First Sovi-	i cabimata abede . I	H03

The Geocher of the ety



GE CHEMISTRY

V Translation of

		
No. 8	Geokhimiya	1960

Konov, A.B., and G.A. Korzina. Prosphorus in secumentary	
rocks	805
Khobot'ev, V.G. Biogeochemical provinces with calcium	
deficiency	830
Gerasimovskii, V.I., and V.A. Venkina. Niobium-tantalum	
ratio in the minerals of the Lovezero massif	841
Belashov, Yu. A., and N. V. Turanskaya. Pattern of distribu-	
tion of the rare earths in the rocks of the differentiated	
complex of the Lovozero alkalic massif and certain prob-	
	845
lems of the genesis of the complex	010
Kochenov, A.V., and V.V. Zonov'ev. Distribution of rare	
earth elements in phosphatic remains of fish from the	000
Maikop deposits	860
Solodov, N. A. Distribution of alkali metals and heryllium in	
the minerals of a zoned pegmatice in the Mongolian	
Altai	874
Danilevich, S. I. On the reliability of "lead" ages of	
monazites	886
Drozdova, T.V., and A.V. Kochenov. Organic material of	
fossil fish bone	900
NEWS	904
Tugarinov, A. I. Geochemistry at the XIIth General Assembly	
of the International Union of Geodesy and Geophysics	906
Chukhrov, F. V., and A. I. Tugarinov. The XXIst International	
Geological Congress (Copenhagen)	910
Geological Congress (Copeniage)	914
Index to 1960 Volume	97-3

Published by
The Geochemical Society

PETROLEUM GEOLOGY

Geologiya Nefti i Gaza, Vol IV, No 3-B, 1960

1.	Experience at combining seismic surveying and drilling.
	M. V. Chirvinskaya p. 159
2.	Use of scintillation apparatus for exploration of oil and
	gas pools. A. P. Grumbkov, V. V. Matveev, G. S.
	Semenov, and A. D. Sokolov p. 161
3.	Experience in the use of seismic stations with magnetic
	recording. B. I. Bespyatov and A. I. Khramoy p. 165
4.	Reservoir properties of carbonate rocks of oil-bearing
	horizons of the Paleogene of Fergana.
	V. I. Danchev and V. V. Ol'kha p. 171
5.	Gryazevaya Sopka - new oil field in the Caspian Sea.
	F. I. Samedov, L. A. Buryakovskiy, and D. G. Dzhalilov p. 173
6.	New data on the geology of the Shebelin gas field.
	I. S. Romanovich

PETROLEUM GEOLOGY
Published By
THE REVIEW OF RUSSIAN GEOLOGY
Box 171
McLean, Virginia

BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR

Division of Chemical Science

Number 12 December, 1961

CONTENTS

Izvestiya Akademii Nauk SSSR, Otdelenie Khimicheskikh Nauk	PAGE	RUSS. PAGE
The Results of the 22nd Congress of the Communist Party of the Soviet Union	1969	1
A Physicochemical Study of the Reaction Between Praseodymum Hydroxide		
and Hydrogen Peroxide. S. Z. Makarov, L. V. Ladeinova-Soboleva		• •
and A. M. Chernyshova	1971	2109
Adsorption and Heat of Adsorption of Diethyl Ether, Acetone and Acetic Acid Vapors		
on Graphitized Carbon Black, N. N. Avgul', A. V. Kiselev and I. A. Lygina	1977	2116
Investigation of the Reaction of Electrophilic Substituents on Olefinic Carbon Atoms.	1	
2. Reaction of Trans- and Cis-β-chlorovinyl Mercury Chloride with Iodine in		
the Presence of Cadmium Iodide in Absolute Methanol, I. P. Beletskaya,	٠,	
O. A. Reutov, and V. I. Karpov	1985	2125
Investigation of the Reaction of Electrophilic Substituents on Olefinic Carbon Atoms.		
3. Reaction of Trans- and Cis-β-chlorovinyl Mercury Chloride with Iodine in the		
Presence of Cadmium Iodide in Dimethylformamide. P. Beletskaya, O. A. Reutov,		
and V. I. Karpov.	1989	2129
The Dependence of the Frequency of Vibration of the Ge-C Bond in the Spectra of		
Alkylgermanes on the Nature of the Substituents. L. A. Leites, Yu. P. Egorov,		
G. Ya, Zueva, and V. A. Ponomarenko	1993	2132
The Influence of the Dimerization of Free Radical Intermediates on the Polarographic		
Waves of Aromatic Aldehydes and Ketones in an Acid Medium.		
S. G. Mairanovskii	2003	2140
Acyl and Alkoxy Derivatives of Dicyclopentadienyltitanium and the Refraction Increment		
of the π-C ₅ H ₆ Ti Group. A. N. Nesmeyanov, O. V. Nogina, A. M. Berlin,		
A. S. Girshovich, and G. V. Shatalov,	2008	2146
Addition of Nucleophilic Reagents to 2-Cyanovinyl Ketones. A. N. Nesmeyanov,		
M. I. Rybinskaya, and L. V. Rybin.	2013	2152
Vinyltin Compounds in Diene Synthesis with Cyclones. B. A. Arbuzov, L. A. Shapshinskaya,		
and M. I. Kudryavtseva.	, 2020	2160
Phosphoric and Phosphorothiole Esters Containing Heterocyclic Groups. Communication 4.		
Reaction of Phosphorochloridic and Phosphorochloridothioic Compounds with 2-		
Aminopyridine, B. A. Arbuzov, V. M. Zoroastrova, and M. P. Osipova,	2023	2163
Reactions of Chloro(Trimethylsiloxy)Silanes, K. A. Andrianov and N. V. Delazari	2028	2169
Gas-Phase Reaction of Bromo- and Chloro-Silanes Containing Silicon-Attached	•	
Hydrogen with Some Organic Bromo Compounds and with Alkylchlerobenzenes.		
E. A. Chernyshev, N. G. Tolstikova, and E. F. Bugerenko	2032	2173
seplacement of a Mercury Atom Attached to a Saturated Carbon Atom by Halogen,		
Communication 3. Reaction of Benzylmercury Chloride with Indiae in Carbon	A	
Tetrachloride, I. P. Beletskaya, O. A. Reutov, and T. P. Gur'yanova	2036	2178
Chemistry of Acetals, Communication 9. Mechanism of the Trimerization of Acrolein		****
Acetal. S. S. Yufit and V. F. Kucherov	2040	2183

Available From Consultants Bureau

Izvestiya Akademii Nauk SSSR, Otdelenie Khimicheskikh Nauk No 12, 1961	PAGE	RUSS. PAGE
β-Dicarbonyl Compounds. Communication 13. Chemical Properties of Meldrum's 'Acid.		
S. i. Zav'yalov	2042	2185
to the Stereochemistry of catalysis). A. A. Balandin, E. I. Klabunovskii	0046	0100
Alkylation of Phenois with Bifunctional Compounds, Communication 5, Catalytic Alkylation of m- and p-Cresols with 1,3-Butanediol, N. I. Shuikin, E. A. Viktorova, and	2046	2189
I. E. Pokrovskaya. Thermal Alkylation of Tetrahydro-2-Methylfuran with Ethylene, N. I. Shutkin and	2049	2192
B. L. Lebedev. Catalytic Synthesis of High-Density C ₂₈ -C ₃₈ Isoparatiins. A. P. Meshcheryakov.	2052	2195
E. I. Erzyutova, and Go Chun'-i	2055	2198
Ya. M. Paushkin, A. V. Topchiev, A. V. Nepryakhina, P. G. Anan'ev, and		
N. N. Dmitrevskii	2060	2204
M. A. Chel'tsova and A. D. Petrov	2065	2209
Vinyl Compounds in the Diene Syathesis. Communication 9, Some Properties of Adducts in Diene Condensations with Vinyl Sulfides. M. F. Shostakovskii, A. V. Bogdanova,		
and T. M. Ushakova	2073	2217
Copolymerization of 1-Vinyl-2-Pyrrolidinone with Methyl Methacrylate and with		
Acrylonitrile. M. F. Shostakovskii, A. M. Khomutov, and F. P. Sidel'kovskaya	2077	2222
Mechanism of the Oxidation of Cellulose Ethers and Esters with Oxygen. O. P. Koz'mina	2081	2226
SHORT COMMUNICATIONS		
Microdetermination of Methoxy and Ethoxy Groups. V. A. Klimova and K. S. Zabrodina	2088	2234
The Reduction of CeO ₂ in the Ketonization of CH ₈ COOH. A. M. Rubinshtein,		
A. A. Slinkin, V. I. Yakerson, and E. A. Fedorovskaya	2090	2235
T. V. Sheremeteva, Z. V. Borisova, and V. V. Endryavtsey Influence of the Structure of the Double Layer on the Polarographic Behavior of Nitro	2093	2237
Compounds. S. G. Mairanovskii and Ya. P. Stradyn'	2095	2 239
Kinetics of the Decomposition of Symmetrical Organomercuty Compounds,		
A. N. Nesmeyanov, A. E. Borisov, and I. S. Save Peva	2098	2241
I. F. Godunova	2100	2243
The Action of Butyllithium and Butylmagnesium Bromide on Trans-Epoxycyclododecane.		
L. I. Zakharkin. A Simple Method for the Preparation of Sodium and Potassium Aluminium Hydrides.	2103	2245
L. I. Zakharkin and V. V. Gavrilenko	2105	2246
Preparation of 1-Cyclopropyl-2-(4'-Hydroxy-1'-Oxolattyl)-Cyclopropane.		
A. P. Meshcheryakov and V. G. Glukhovtsev	2107	2246
A, P. Meshcheryakov and L. V. Petrova	° 10	2250
and A. L. Chistyakov.	2112	2252
LETTERS TO THE EDITORS		
The Synthesis of Organoberyllium Compounds, L. I. Zakharkin, O. Yu. Okhlobystin, and B. N. Strunik	2114	2254
Available From Consultants Bureau		

Izvestiya Akademii Nauk SSSR, Otdelenie Khimicheskikh Nauk, No 12, 1961	PAGE	RUSS. PAGE
Organomagnesium Synthesis of Heteroorganic Compounds in Bon-Ethereal Medium, L. I. Zakharkin, O. Yu. Okhlobystin, and B. N. Strunin Stepwise Formation of a Heteroelement—Oxygen Chain in the Presence of Diazoalkanes, K. A. Kocheshkov, E. M. Panov, and N. N. Zemlyanskii	2115	2254
CHRONICLE	2116	2258
General Meeting of the Division of Chemical Sciences of the Gademy of Sciences of the USSR, September 21, 1961.	2117	2256
Author Index, Nos. 1-12. Tables of Contents, Nos. 1-12.	2121 2130	

Available From Consultants Bureau

BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR Division of Chemical Science

Number 1 January, 1962

CONTENTS

Izvestiya Akademii Nauk SSSR Otdeleniye Chimicheskikh Nauk	PAGE	RUSS. PAGE
The XXII Congress of the Communist Party of the Soviet Union and the Prospects for the Development of Chemical Science. N. N. Semenoy	1	3
by the Deflagration Combustion Method. V. A. Klimova, T. A. Antipova and G. K. Mukhina	14	19
L. V. Radushkevich and V. A. Kolganov	18	23
Black. N. N. Avgul', A. V. Kiselev and I. A. Lygina Paper Electrophoresis and X-Ray Structure Study of the Complex Compounds of Phenols	26	32
with Germanium. T. V. Drozdova, R. P. Kravtsova and K. I. Tobelko	31	38
ORGANIC AND BIOLOGICAL CHEMISTRY Effect of Carboxy and Methoxycarbony' Groups on the Replacement of Halogen in Ferrocene Compounds. A. N. Nesmeyanov, V. A. Sazonova and V. N. Drozd Mechanism of the Formation of Ferrocene in the Electrophilic and Homolytic Reactions	38	45
of Iodoferrocene and of Mercury Derivatives of Ferrocene. A. N. Nesmeyanov, E. G. Perevalova, and O. A. Nesmeyanova. Synthesis of Aromatic Germanium Compounds by the Reaction of Diarylmercurys with Germanium Diiodide. L. I. Emel'yanova, V. N. Vinogradova,	40	47
L. G. Makarova and A. N. Nesmeyanov	45	53
and R. Kh. Freidling. Synthesis of Heterocyclic Compounds Containing Phosphorus in the Ring. Communication 2. Study of the Reaction of Dienic Hydrocarbons with Aryl- and Alkyl-Phosphonous Dichlorides and with Aryl and Alkyl Phosphorodichloridites. B. A. Arbuzov and	52	59
L. A. Shapshinskaya	57	65
B. A. Arbuzov, V. S. Vinngradiva and N. A. Polezhaeva Polyorganoaluminoxanes and Polyorganoaluminosiloxanes, K. A. Andrianov.	63	71
M. B. Flomberg, L. I. Sorokina and E. I. Kirilenko	69	78
K. A. Andrianov and L. M. Volkova	77	87
and its Dimethyl Ester with Peroxyacetic Acid. V. M. Andreev, L. K. Lysanchul and V. F. Kucherov	81	90

Available From Consultants Bureau

Izvestiya Akademii Nauk SSSR		RUSS.
Otdeleniye Khimicheskikh Nauk	PAGE	PAGE
No 1, 1952		
Stereochemistry of Cyclic Compounds. Communication 48. Oxidation of cis-syn-1,2,3,9,10,10a-		
Hexahydro-7-Methoxy-1,2-Phenanthrenedicarboxylic Anhydride with Peroxyacetic Acid		
and Reactions of the Products Formed. V. F. Kucherov, L. K. Lysanchuk and		
V. M. Andreev	86	96
Stereochemistry of Cyclic Compounds. Communication 49. Oxidation of cis-syn-3a,4,5,8-		
Tetrahydro-4,5-Indandicarboxylic Acid and Synthesis of the Isomeric trans-Hexahydro-4,		
5-Indandicarboxylic Acids. V. F. Kucherov, E. P. Serebryakov and		
A. V. Usova	94	106
Fragmentation of Activated N, N-Dibenzyl-3-Phenylalanine Derivatives.		
Vyach. I. Maksimov	99	112
Kinetics of the Demethylation of Toluene in Presence of Excess of Water over Nickel Catalysts.		
T. A. Slovokhotova, A. A. Balandin, T. I. Poletaeva and		
Yui Tsya-yun	106	120
Alkylation of Phenols with Bifunctional Compounds. Communication 6. Catalytic Alkylation		
of p-Cresol with 1,4-Butanediol and with Tetrahydrofuran. N. I. Shuikin,		
E. A. Viktorova, I. E. Pokrovskaya and E. A. Karakhanov	108	122
Thermal Transformations of a-Substituted B-Epoxides. E. Kovács, N. I. Shuikin,		
M. Bartok and I. F. Bel'skii	111	124
Chemistry of Trimethylene Oxide. Communication 1. cis- amd trans-7-Oxabicyclo [4.2.0]Octane.		
E. Kovács, Z. Tuba, J. Weisz and D. Schneider	116	130
Catalytic Dehydrogenation of Dihydrofurans. N. I. Shuikin, I. F. Bel'skii and		
R. A. Karakhanov	123	138
Conjugated Hydrogenolysis in the Synthesis of Tetrahydrofuran Homologs. I. F. Bel'skii	127	142
Free-Radical Addition of Butyrolactone to Unsaturated Compounds. G. I. Nikishin.		
G. V. Somov, Wang Shun-fu and A. D. Petrov	131	146
Vinyl Etiters of Ethanolamines in the Diene Synthesis. Communication 1. Reactions of 2-		
(Vinylexy)Ethylamine and Its N,N-Dialkyl Derivatives with Cyclopentadiene.	•	
M. F. Shostakovskii, I. A. Chekulaeva and É. V. Migalkina	136	152
Lactones and Lactams. Communication 21. Addition of Mercapto Compounds to N-Alkenyl		
Lactams. M. F. Shostakovskii, F. P. Sidel'kovskaya and		
F. L. Kolodkin	140	155
Synthesis of Pyridyl Polyacetylenes. I. L. Kotlyarevskii and L. I. Vereshchagin	146	162
ODITE COMMINICATIONS		
BRIEF COMMUNICATIONS The Polarographic Behavior of Some Diphenylphosphorylhydrazones. B. A. Arbuzov		
• • • • • • • • • • • • • • • • • • • •	149	165
and E. A. Berdnikov Synthesis of Bis-p-(Phenyldichlorophenyl), Bis-p-(Trichlorophenyl), and Bis-p-	140	
(Triphenyl)Silylbenzenes. A. D. Zelinskii and E. Fisher	152	168
Specific Polycondensation of Aminoacid Esters. V. V. Patrikeev, T. D. Kozarenko	106	100
	154	170
and A. A. Balandin A Study of the Reaction of Sodium Diethylphosphite with Di- and Triphenyl-Methyl Halides	104	2.10
by Means of Electron Paramagnetic Resonance. B. A. Arluzov and	156	172
1. M. Kataeva	100	114
The Preparation of Sodium and Potassium Borohydrides by the Reduction of Boron Halides by		
Sodium and Potassium Hydrides in the Presence of Aluminum Triethyl.	157	120
L. I. Zakharkin and V. V. Gavrilenko	157	173
Preparation of Bis-(Trifluoropropyl)Dichlorosilane. A. D. Petrov.	160	174
V. A. Ponomarenko and G. V. Odabashyan	159	174
The Synthesis of 1,3-Dicyclopropylbutene-2-One-1. A. P. Meshcheryakov and	161	100
V. G. Glukhovtsev	161	176

Otdeleniye Khimicheskikh Nauk No 1, 1962	PAGE	RUSS. PAGE
A Study of Association in the Systems Ethyl Alchol-Water and Isopropyl Alcohol-Water by Means of Nuclear Magnetic Resonance. V. V. Ivanov and S. G. Enteils The Reaction of Chlorine Water with Carbohydrates. V. I. Ivanov, L. N. Derevenchuk	163	178
and V. V. Chupeeva	166	181
and G. G. Zhigareva	168	183
M. S. Shvartsberg and B. G. Kruglov	170	184
A LETTER TO THE EDITOR Catalytic Adsorption Pre-Wave in Polarograms of Solutions of Pyridine	172	186
NEW ITEMS General Meeting of the Division of Chemical Sciences of the Academy of Sciences of the USSR, November 17, 1961	173	187
Available From Consultants Bureau		

Bulletin of the Academy of Sciences of the USSR - Physical Series

Vol.25, No.7 - July 1961

Izvestiya Akademiy Nauk SSSR, Seriya Fizicheskaya

Transactions of the Eleventh Annual Conference on Nuclear Spectroscopy (Continued from Vol. 25, No.2)

TABLE OF CONTENTS	Pa	ge
	Orig.	Trans.
New results in the theory of nonaxial nuclei - Λ.S.Davydov	782	7 93
Calculation of the probability of the Auger effect - M.A. Listengarten	792	803
Investigation of the decay scheme of Gd147 - A.A. Sorokin & K.P. Mitrofanov	7 99	810
Investigation of the decay scheme of Gd ¹⁴⁹ - A.A.Sorokin & K.P. Mitrofanov	808	819
Investigation of neutron-deficient Tb isotopes - A.T.Strigachev, L.S. Novikov, A.A.Sorokin, V.A.Khalkin, N.V.Tsvetkova & V.S.Shpinel'	813	824
Positron spectra of neutron-deficient terbium and neodymium isotopes - N.A.Bonch-Osmolovskaya, B.S.Dzhelepov, O.E.Kraft & Chou Yüeh-wa	826	837
Investigation of Coulomb excitation of nuclear levels by means of multiply charged ions - D.S.Andreev, V.D.Vasil'ev, G.M.Gusinskii, K.I.Erokina & I.Kh.Lemberg	832	842
Beta- and gamma-spectra of radioactive Sb113 and Sb115 and a new Sn113 isomer - I.P.Selinov, V.L.Chikhladze, D.E.Khulelidze & N.A.Vartanov	848	857
Investigation of the levels of P ³¹ by means of the Si ³⁰ (p, y) P ³¹ reaction - A.K.Val'ter, S.P.Tsytko, Yu.P.Antuf'ev, E.G.Kopanets & A.N.L'vov	854	862
Total ionization produced by alpha-particles in gas mixtures - G.E.Kocharov	862	873
Concerning the operation of proportional counters - G.A.Korolev & G.E.Kocharov	866	877
Atomic masses of tin and antimony isotopes - R.A. Dendrkhanov, T.I.Gutkin, O.A. Samadashvili & I.K. Karpenko Alpha-decay to electron capture ratios for Po ²⁰⁰ , Po ²⁰¹ and Po ²⁰³	871	882
- B.N.Belyaev, A.V.Kalyamin & A.N.Murin	874	886
Reduced derivative width 82 for polonium isotopes - B.N.Belyaev, A.V. Kalyamin & A.N.Murin	87 9	890
Calculation of yield cross sections for apallation reactions - V.I.Baranovskii & A.N.Murin	882	893
Emission, absorption and reabsorption of gamma-rays by impurity nuclei in solid solutions - I.P.Dzyub & Λ.F.Lubchenko	893	903
Resonance scattering of gamma-rays by nuclei in a solid - I.P. Dzyub & A.F. Lubchenko	901	911

Available From Columbia Technical Translations

Bulletin of the Academy of Sciences of the USSR - Physical Series Vol.25, No.8 - August 1961

Izvestiya Akademiy Nauk SSSR, Seriya Fizicheskaya

Table of Contents	Pa	ze.
		Trans.
Use of x-ray bremsstrahlung for investigation of absorption		
spoctra in the ultrasoft region - A.P.Lukirskii	910	923
Spectrometer for ultrasoft x-radiation with combined detection		
by means of secondary-electron multipliers and a Geiger		
counter - A.P. Lukirskii	913	926
Microfocus x-ray spectrograph - I.B.Borovskii, S.A.Ditsman &		
V.G. Bogdanov	919	932
Investigation of the region of a microfocus source in an x-ray		
microanalyzer - S.A.Ditsman	923	935
On the possibility of quantitative analysis by means of x-ray		
spectra without the use of standards - N.P. Il'in	929	940
Vacuum x-ray spectrometer with ionization recording - V.A. Batyrev		
& V. G. Bogdanov	933	914
Constant vacuum x-ray tube for a long-wavelength x-ray spectro-		
meter - K. I. Narbutt, E. M. Fridman & G. M. Nikolaenko	936	947
Reflection of hard x-radiation by bent crystals - S.A.Ditsman	939	949
Regarding the resolution of Johann mounting single-crystal	040	054
spectrographs - N.D.Borisov & V.V.Nemoshkalenko	943	954
Experimental investigation and calculation of the L absorption	0.47	958
spectra of noble gases - R.L.Barinskii Regarding the asymmetry of the $K\Omega_1$ and $K\Omega_2$ lines of atoms of the	947	900
iron group - L.K. Izraileva	954	965
Theory of the fine structure of x-ray absorption spectra	JJ4	505
- A.T. Kozlenkov	957	968
Contribution to the theory of the temperature dependence of the	JJ.	500
fine structure of x-ray absorption spectra - V.V. Shmidt	977	988
Influence of tungsten impurities on the temperature dependence	•••	200
of the K absorption spectrum of iron - I.B.Borovskii & V.V.Shmidt	983	994
Influence of the chemical bond on the energy and intensity of the		
x-ray lines of atoms in compounds - A.T. Shuvaev	986	996
Investigation of the K absorption spectra of calcium in some		
compounds - A.T.Shuvaev & V.F.Demekhin	992	1001
Investigation of the binding forces in Ni-Mo solid solutions by		
observing the fine structure of the absorption spectra		
- V.A. Trapeznikov	994	1003
X-Ray spectroscopic investigation of intermetallic compounds in		
the Cu-Zn system - V.A.Batyrev	997	1006
Influence of thermal vibrations of atoms on the process of "melting"	t	
of the fine structure of the x-ray absorption spectra. I. In-		
vestigation of a Cu-Pt solid solution - I.B. Borovskii & G.N.		
Ronami	999	1008
Concerning the electron configuration in metals of the iron group		
- N.D. Borisov & V.V. Nemoshkalenko	1002	1011
The $K\beta_{\mathbf{x}}$ emission band and K absorption edge of aluminum in some		
alloys with transition metals - S.A. Nemnonov & L.D. Finkel'shtein	1007	1015

<u>Izvestiya Akademiy Nauk SSSR,</u> Seriya Fizicheskaya

Vol XXV, No 8, 1961
Computer for correcting the shape of emission spectra 1013 1020 - M. I. Korsunskii & Ya.E. Genkin Comparison of two methods of correcting experimental curves 1023 (column and matrix methods) - Ya.E.Genkin & I.A.Rumyantsev 1017 Corrected $1\beta_2$ emission band in the spectra of pure niobium and 1028 1033 its compounds - M. I. Korsunskii & Ya.E. Genkin On determining the Fermi level from x-ray emission bands 1031 1036 - M. I. Korsunskii & Ya. E. Genkin On finding the true shape of spectra using the Shannon approxima-1038 1043 tion - V.P.Sachenko Concerning the shape of the KB5 emission band of iron. Part I -1048 I.Ya.Nikiforov 1043 On the "derivative method" for correcting the shape of spectra 1048 1052 - V.P.Sachenko Comparison of different methods of correcting the shape of spectra - I.Ya.Nikiforov, V.P.Sachenko & M.A.Blokhin 1054 1057 Concerning the use of secondary-emission multipliers for investigating soft x-ray spectra - M.A.Rumsh, A.P.Lukirskii & V.N. 1060 1063 Shchemelev Quantum sensitivity of photographic materials to x-radiation with wavelengths from 1.54 to 113 Å - M.A.Rumsh, V.N.Shchemelev & 1066 1069 A.P. Lukirskii

Available From Columbia Technical Translations

Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya

English Edition of Bulletin (Izvestiya), Academy of Sciences, USSR, Geophysics Series No. 3, 1962

CONTENTS

	Pa	ige:
	English	Russian
그 그 그 그 그는 그는 그는 그는 그를 가는 그를 가는 그를 가는 그를 가는 것이 살아 있다.		
PHYSICS OF THE SOLID EARTH AND		
		•
L. L. KHUDZINSKY, Determination of Some of the Spectral Features of the	•	
Layered Media	195	281-297
V. N. ZHARKOV AND V. A. KALININ, The Equation of State of Gabbro and		
Dunite at High Pressures	204	298-306
V. N. STRAKHOV, The Analytic Continuation of Two-Dimensional Potential		
Fields, With Applications to the Solution of the Inverse Problem of Magnetic		
and Gravitational Exploration. I	209	307-316
M. I. LAPINA AND V. N. STRAKHOV, New Method of Computing Elements of		
the Magnetic Field in the Upper Halfspace According to an Assigned (On Surface)		
Distribution of Vertical Component AZ	215	317-335
V. N. STRAKHOV, The Analytic Continuation of Two-Domesional Potential		
Fields, With Applications to the Solution of the Inverse. Problem of Magnetic		22/ 247
and Gravitational Exploration. II	227	336-347
V. G. GRATSINSKY, Distortions of Seismic Pulse Spectra During Analysis	233	348-358
S. M. ZVEREV, Frequency Features of Explosions in Deep Seismic Sounding	240	359-367
in Deep Scas	245	368~380
E. I. POPOV, Determination of the Correction for the Edivos Effect During	243	300~300
Measurement of the Gravity Acceleration from Flying Aircraft	254	381-384
Measurement of the Gravity Acceleration from Flying Affician	234	301-304
SCIENTIFIC REPORTS	A. 5	
A Control of the cont		•
P. YA. BERSTEIN, Solution of the Lamb's Problem for a Medium with Weak		
Anisotropy	257	385-388
A. I. LEVYKIN, Damping of Ultrasonic Waves in Rock Specimens at Various		,
Frequencies	259	389-391
$R_{\rm c}$.		, ,-
CRITICISM AND BIBLIOGRAPHY		
E. N. A. CSTIG, On B. A. Andreev's Article Entitled "Fave's Gravity Anomalies"		
and isostasy"	262	392-393
B. A. ANDREEV, On E. N. Lustig's Comments on My Article Entitled "Faye's 🦠 💮		
Gravity Anomalies and Isostasy"	262	192-193
Chronicle, Session of the Seismology Council of the USSR Academy of Sciences		
on Research in Engineering Seismology	264	394-396
PHYSICS OF THE SEA AND THE ATMOSPHERE		
		105 405
A. S. MONIN, On the Turbulence Spectrum in a Thermally Stratified Atmosphere.	266	397-407
E. M. FEIGELSON, On the Origination and Development of Stratus Clouds	272	408-417
V. V. BYKOV, On Taking Account of the Geostrophic Departure in Short-		410 433
Range Forecasting	277	418-423
SE. A. MUSAELYAN, Hydrodynamic Forecast of Mean Monthly Humidity and	340	.34 433
Vertical Currents for Northern Hemisphere of the Earth	280	424-433
A. P. LEGEN'KOV, On Sverdrup Waves	286	434-137
SCIENTIFIC ! E.PORTS	*	
SCIENTIFIC : EFFORTS		
A. M. BARANOV, Clouds of the Upper Formation Above the European		
Territory of the USSR	289	138-442
V. N. BALABANOVA AND T. N. ZHIGALOVSKAYA, Despersed State of a Silver	20,	.30-110
Iodide Acrosol	293	443-446
Z. G. WEISS-KSENOFONTOVA, (Obituary)	297	147-448
Corrections to the Journal	29k	447-448
•		

Ministry of Higher Education and Special Secondary Education of the USSR

REPORTS FROM THE HIGHER EDUCATIONAL INSTITUTIONS - TECHNOLOGY OF THE TEXTILE INDUSTRY

(Izvestiya VUZ: Tekhnologiya Tekstil'noi Promyshlennosti)

No. 6/(19)

1960

CONTENTS

Economies and Organisation of Production	
Finkel', L.A. and Simonova, G.P. Organisation of work and the low mechanisation level at cocoon drying plants	3
Textile Materials Research	
Usenko, V.A. and Shakhova, N.V. The effect of twist and structure on the physical and mechanical properties of Kapron yarn	10
The "Micronaire", an American instrument for measuring the fineness of cotton fibre	20
Fineness irregularity and the mechanical properties of fibres and yarns	26
Matukonis, A.V. Redistribution of the loads in the components of a mixed yarn under a constant total load	36
Primary Treatment, Raw Materials	
Levitskii i.N. Selecting an efficient method of extracting the fibre from the shive at flax and hemp mills	47 55
Spinning	
Finkel'shtein, I.I. An analysis of the process of roving formation and a new design roving flyer	61
Goritskii, V.S. A theoretical and experimental analysis of the detaching and tuft ploving motion of the GD-12-1 comber	72
Pozhidaev. N.N. Figerimental processing of yarn from a blend produced at the ginners	85
Borzenov, 1.G., Semelova, N.A. and Kopytov, R.F. The conversion of high-draft draw frames into a two-zone	
Available From The Textile Institute	90

CONTENTS (Contd)
Izvestiya VUZ: Tekhnologiya Tekstil'noi Promyshlennosti
Weaving No 6 (19), 1960
Gordeev, V.A. On the precision of the action of friction brakes for warp beams
Finishing
Hsing Men Heng and Sadov, F.I. An analysis of the properties of thickeners and printing pastes (Communication No. 3)
Virnik, A.D. and Chekalin, M.A. Research in the field of dyeing protein fibre with reactive dyes
Blagoveshchenskaya, Z.E.
A volumetric method of analysing dimethylphenylbenzylammonium chloride (Leucotrope C)
Zakharova, T.D. The relationship between the structure of the derivatives of oxadiazoles and thiadiazoles as azo dyes and the rate of the diffusion in cuprammonium fibre
Automation, Engineering, Power Supply
Kostin, B.L. The silk reeling machine as an automatically controlled unit . 129 Sechkin, A.N.
Uneven drying and an efficient drying procedure for steam- retted hemp straw
Brief Items, Reviews, Bibliography
Usenko. V.A., Voronina, E.A. Discussion of "Principles of the spinning of fibrous materials", the textbook by V.E. Zotikov, I.V. Budnikov and P.P. Trykov
P.P. Trykov

Available From The Textile Institute

Soviet Rubber Technology

No. 10
OCTOBER, 1961

"Kauchuk i Rezina"

Vol. 20

CONTENTS

Results of research in the field of synthetic rubber between 1955 and 1960. I. V. Garmonov and K. B. Piotrovskii	2	(1)
Curing of carboxylated rubbers with peroxides. N. D. Zakharov and I. N. Berezkin	6	(7)
Structure of vulcanisates of pure gum SBR stocks containing indene-coumarone resin. E. Ya. Devirts and A. S. Novikov	9	(11)
Vulcanising activity of certain derivatives of 2-mercaptobenzthiazole and their lability with radioactive di-2-benzthiazyl disulphide. M. Ş. Feldshrein, I. G. Chernomorskaya, I. I. Eitingon, E. N. Guryanova and B. A. Dogadkin	13	(15)
Recent developments in Soviet tyre design. L. V. Desidlei and S. P. Zakharov	16	(18)
Shrinkage of rubber in rubber-metal articles. E. S. Ekel	18	(23)
Factors affecting uniformity of thickness in calendering rubber sheet. D. D. Ryabinin	22	(28)
Complexometric determination of aluminium, iron, calcium, magnesium and zinc in vulcanisates. L. L. Bogins and I. P. Martyukhina	27	(34)
ECONOMICS AND ORGANISATION Increasing the productive capacity of rubber works. V. P. Khabarov and E. S. Gurovich	30	(36)
EXCHANCE OF TECHNICAL AND SCIENTIFIC EXPERIENCE		
Preparation of rubber stocks in a two-speed mixer. O. A. Zakharkin, T. N. Koldaeva, Z. I. Lisogurskii, P. A. Skovorodkin, M. A. Polyak and A. K. Yureva	31	(39)
Improved method of manufacturing rim bands of new profile. A. I. Kuzminov, G. D. Rozina, G. K. Demidov and B. V. Sokolov	34	(42)
Automatic weighing of free-flowing powder and liquid ingredients. Ye. N. Vernikov and A. G. Kogenman	37	(46)
Device for holding the bag in position in packaging carbon blacks. G. V. Pokrovskii	41	(50)
Improved flow-line for the assembly of V-belts. M. K. Bronzman	42	(52)

Numerals in parentheses refer to the pure of the Russian original.

Available From Rubber and Plastics Research Association

Volume 23, Number 6

November-December, 1961

CONTENTS

Vol XXIII, No 6, 1961	54.05	RUSS.
VOI ARIII, NO 0, 1901	PAGE	PAGE
The Role of Colloid Science in the Development of the Material and Technological		
Basis of Communism	539	641
Theory of Capillary Impregnation by Wetting Liquids of Porous Materials with		
Dead-End Capillaries. M. A. Al'tshuler	543	646
The Temperature of Droplets in Supersaturated Vapor. A. G. Amelin,		
E. V. Yashke, and Yu. S. Kurgin	548	652
Stabilization of Concentrated Suspensions by Structurization of the Dispersion		
(Hydrocarbon) Medium. G. V. Belugina, S. Kh. Zakieva,		
V. V. Konstantinova, and P. A. Rebinder	554	658
The Influence of Freezing on the Stability of Gelatinized Emulsions Stabilized		
by Colloidal Mixed Ferrocyanides of Copper and Iron, V. I. Borisikhina,	•	
L. D. Skrylev, and S. G. Mokrushin	563	669
Adhesion of Polymers. 9. New Method of Preparing Bonded Strips for Determining		
the Mutual Adhesion of Elastomers. V. L. Vakula and S. S. Voyutskii.,	565	672
Effect of Carbon Black on the Kinetics of Vulcanization and the Character of the		
Sulfur Structures of the Vulcanizates, B. A. Dogardkin,		
M. S. Fel'dshtein, and Z. V. Skorodumova	571	679
Rheological Properties of Aqueous Glycerol Solutions. 1. A. Dumanskii and		
L. V. Khailenko	575	684
Gravity Deposition of Aerosols from Laminar Flow, K. A. Zaitseva,		
Yu. V. Shukenov, and M. A. Al'tshuler	578	687
Strength, Elastic, and Thixotropic Properties of Concentrated Aluminum Naphthenate		
Gels and the Effect on Them of Polar Additions T. I. Zatsepina and		
A. A. Trapeznikov	581	690
A New Method of Dispersion Analysis by the Centrifugation of Highly Disperse Systems		
and Systems Suspended in a Very Viscous Medium. E. Yz. Zemlitskif	589	699
Effect of Lower Fatty Acid Salts on the Dispersity of an Emulsifier Solution and the		
Synthetic Latexes Prepared from It. S. S. Ivanchov and		
A. I. Yurzhenko	596	706
Effect of Strong Electrolytes on the Adsorption of Ben, one Derivatives from Aqueous		
Solutions by Activated Charcoal, A. M. Koganovskii and		
T. M. Rovinskaya	601	712
Investigation of Structural-Mechanical Properties of Bitumens of Different Origin,		
1. Study of Viscous and Thermomechanical Properties of Road Bitumens of		
Different Chemical Composition, A. S. Kolbanovskaya and		
V. V. Mikhailov	606	718
Adsorption in the System FegO ₂ -H ₂ O-CaCl ₂ -NaCl. ! S. Mcleshko	613	726
Studies on the Stability and Congulation of Synthetic Latexes. 1. Effect of		,
Adsorptive Saturation of the Globule Surface by the Emulsifier,		
R. E. Neiman, O. A. Lyashenko, A. P. Kirdceva, A. K. Egorov,		
and O. G. Kiseleva	618	732
Available From Consultants Bureau		
WARTIERTE LION CONSCITENIES DALGER		

CO: FENTS (continued)

Kolloidnyy Zhurnal, Vol XXIII, No 0, 1961	PAGE	RUSS. PAGE
Relation Between Solute Structure and Adsorption from A is one Solutions. 1. Dependence of Functional Groups. T. M. Royanakaya and A. M. Royanawakii, P	624	739
Polyvinylchloride Pastes, E. G. Fedoseeva, i. 1. Fel'distant. S. I. Sokolov	632	749
R. Yu. Sheinfain	638	756
M. Ya. Popereka Author Index, Volume 23, 1961 Tables of Contents, Volume 23, 1961	642 647 650	761

Available From Consultants Bureau

Soviet Physics CRYSTALLOGRAPHY

A Translation of the Journal "Kristallografiya"

(Russian Original Vol. 7, No. 1, pp. 3-164, January-February, 1962)

Vol. 7, No. 1, pp. 1-140

July-August, 1962

CONTENTS

	PAGE	RUSS. PAGE
Symmetry and Antisymmetry Groups (Classes) of Finite Strips, A. V. Shubnikov	1	3
Possible Values of the X Coordinates in Single-Parameter Lattice Complexes of the		
Cubic System, N. L. Smirnova	5	7
Internal Electric Fields in Crystals of NaTaC ₂ and CdTiO ₃ , V. N. Lyubimov,		
Yu. N. Venevtsev, and G. S. Zhdanov	9	12
Derivation of the Lattice Distortion and Spread in Block Size by Means of Harmonic		
Analysis Applied to X-Ray Reflections, B. Ya. Pines and A. F. Sirenko	15	20
Crystal Structures of the Compounds Ba2Mg17 and Sr2Mg17. P. I. Kripyakevich		
and V. I. Evdokimenko	22	31
An Electron Diffraction Study of the Second Superlattice in PbBi ₄ Te ₇ .		
A. G. Talybov and B. K. Vainshtein	32	43
Polymorphism of Double-Layer Minerals of the Kaolinite Type, B. B. Zvyagin	38	51
An Electron Diffraction Study of the Ag-Se System in Thin Films. Chou Ching-liang		
and Z. G. Pinsker	52	66
A Small Neutron Diffractometer. I. I. Yamzin, V. E. Staritsyn, and Yu. Z. Nozik	58	72
X-Ray and Electrical Studies of the PbTiO ₃ -BiFeO ₂ System. S. A. Fedulov,		
Yu. N. Venevtsev, G. S. Zhdanov, E. G. Smazhevskaya, and I. S. Rez	62	77
The Spectra of Light Absorption by Single Crystals of Nickel Ammonium Sulfate		
at Temperatures from 290 to 1.7°K. S.V. Grum-Grzhimailo,		
N. A. Brilliantov, N. V. Volkova, G. F. Dobrzhanskii, and D. T. Sviridov	67	84
Magnetic Symmetry of a Tensor and the Energy of Magnetic Anisotropy,		
Yu, 1, Sirotin	71	89
Formation of Dislocations on Cleavage of a Blamuth Crystal. V. M. Kosevich	78	97
The Connection between the Distribution of Dislocations Around an Indentation and		
the Strength of the Crystal, M. P. Shaskol*skaya and G. F. Dobrzhanskii	83	103
An Electron Microscope Study of the Formation of Layers of Lead Sulfide.		
G. I. Distler and S. A. Deryusina	87	107
Heterometry: The Relation of Morphology to Cracking in Crystals Containing		
Impurities. A. A. Shtemberg	92	114

Available From American Institute of Physics Soviet Physics - Crystallography Vol VII, No 1

CONTENTS (continued)

Kristallografiya, Vol VII, No 1, 1962	PAGE	RUSS. PAGE
BRIEF COMMUNICATIONS		
Correction for Secondary Extinction in Monocrystals, A. V. Kuznetsov	97	121
Measurement of Integral Diffraction Intensities, Yu. Z. Nozik and J. I. Yamzin	98	123
Isoelectronic Series of Semiconductor Co., apounds, L. S. Palatnik, V. M. Koshkin, and		
Yu. F. Komnik	99	124
Determination of Dispersivity and Lattice Distortions in U-10 Steel after Quenching and		
. / Tempering. B. Ya. Pines and A. F. Sirenko	101	125
New Ternary Laves Phases in Systems Containing Zn, Ga, In, and Ge. M. Yu. Teslyuk and		
V. Ya. Markiv	103	128
Orientations of New Phases Produced in Nickel-Beryllium and Copper-Beryllium Ageing		
Alloys. Yu. A. Bagaryatskii and N. T. Travina	104	128
Ellipsoids f Refraction and Absorption for Absorbing Crystals. A. M. Goncharenko	108	133
The Mutual Interference of X Rays Reflected from Different Mosaic Blocks of a Crystallite.		•
A. V. Kuznetsov and O. N. Shivrin	109	134
Optical Orientation of Crystalline Grains, Yu. M. Gerasimov and B. N. Grechushnikov	112	137
A Feature of the Pleochroism of Colored Synthetic Quartz, L. I. Tsinober,	113	138
Absorption Spectra of Immersion Preparations of Electrocorundum. P. L. Pevsner	115	140
Variation in the Spectral Distribution of Optical Density due to the Scattering of Light in the		
Plastic Deformation of Rock Salt Crystals. P. I. Garber and V. S. Kirillov	117	142
Symmetry Changes during the Diversal and Inverse Piezoelectric Responses of a Crystal.		
V. A. Koptsik	119	144
Effects of Gamma Rays on the Ferroelectric Parameters of Crystals of Guanidinium		
Aluminum Sulfate, V. A. Yurin, A. S. Beberkin, and I. S. Zheludev	121	147
Quartz Crystals with Slotted Piezoelectric Transducers, I. G. Vasin, P. G. Pozdnyakov,		
L. V. Khramov, and M. I. Yaroslavskii	124	150
Selective Etching of Aluminum Crystals. E. V. Kolontsova, A. I. Krokhina, and		
L. P. Vakhomchik	125	152
Investigation of the Conditions of the Formation of Hillocks, Etch Pits, and Unstable Faces in		
Silver at High Temperature. V. N. Danilov	127	154
The Question of the Influence of an Electric Field on the Nucleation of Crystallization Centers.		
M. I. Kozlovskii	129	157
Contact Melting of Irradiated Crystals. I. G. Berzin and P. A. Savintsev	131	159
CHRONICLE		
Second Conference on Computers in Structure Analysis. V. G. Petrov	134	163

Available From American Institute of Physics
Soviet Physics - Crystallography
Vol VII, No 1

russian Castings Production

Complete English Translation of Russian Foundry Journal Liteynoye Proizvodatvo
No 2, 1962

Published with the support of the Department of Scientific and Industrial Research by

THE BRITISH CAST IRON RESEARCH ASSOCIATION

Director: 11. Morrogn

Publications Officer: M. R. Thinault	Editorial : G	. V. RILI
Translator: 1. Bishop, B.Sc. (Tech.)		
FEBRUARY 1962		
High-tensile cast steel of good weldability B. B. Gulyaev et ai		49
Use of Cherkassk palygorskite clays in moulding sands A. A. Stryuchenko et a	al	52
Continuous cupola charging V. P. Chernobrovkin		56
Casting piston rings for marine engines P. L. Gur		57
Improved methods of determining the cost price of castings - E. N. Likhachev et al.		58
Production of eastings in a film-forming alloy by the centrifugal method in a vac a protective gas medium N. M. Tuchkevich and B. M. Kolobashkin		61
Cast steel-aluminium bimetal N. A. Bush and M. E. Semenov		64
Mechanization and automation of a foundry using shell moulds K. L. Shcherbaki	ov	66
Automation of the squeeze-moulding process V. M. Krivosheev		69
New design of automatic loader and unloader for vertical corebaking ovens G. Z. and I. N. Karch	Lipovetskii	71
Problems of automated pouring G. M. Orloy and V. K. Serganov		72
Simplified characteristic curve for the jolt mechanism on moulding machines 1. Ya and L. A. Izrailevich	i. Gerasimov 	76
Operation of ingates with varying gating ratios Zh. V. Tokurev and G. M. Dub		77
Influence of vacuum treatment on the easting properties of AL10 alumin A, V, Kurdyumov and G, A. Stekol'nikova	ium alloy	78
Physical principles of casting in a rotating congnetic field M. I. Kurbatov .		81
Problem of interaction between a casting and a metal core. L. B. Kogan.		83
Melting G1. L. steel in a top-blown oxygen converter M. P. Kvitko and Yu. S. Kri	ivchenko .	84
Exchange of experience: Metal-plastic dies for precision castin: Use and maintenance of pressure diocating machines Gas-cutting allowances on feeders for steel castings Production of steel castings in shell moulds Gas-fired tilting furnace		86 89 90 90
Letters to the editor: Castings production terminology Production mechanization characteristic in foundries		93 93
Book reveiws: Problems of the economics of castings production	•	94 95

Available From The British Cast Iron Research Association

METAL SCIENCE AND HEAT TREATMENT

Metallovedenie i Termicheskaya Obrabotka Metallov

October-December, 1960 Numbers 10-12 **CONTENTS PAGE** CONTENTS - NUMBER 10,1960 523 Theory of Heat Treatment 525 533 Special Type of Pearlite in Fe-C-Si Alloys. Ya. N. Malinochka, N. G. Osada, and G. Z. Kovalchuk. . . 539 Strength Properties. 541 Combined Thermomechanical and Magnetic Treatment of Metals and Alloys. M. L. Bernshtein effect of Electrochemical Treatment on the Mechanical Properties of Steel. N. T. Kudryavtsev and 553 Automation and Mechanization Improvements in the Heat Treatment of Forging Dies. F. N. Tavadze and I. K. Kovshikov 567 Heat-Treatment Equipment Shown at the All-Union Exhibition of Achievements of the National 571 A:1-Union Conference of Heat-Treaters and Metallographers in Odessa.............. 574 Bibliography

CONTENTS (Contd)

Metallovedenie i Termicheskaya Obrabotka Metallov Nos 10-12, 1960

CONTENTS - NUMBER 11, 1960

Stainless Steel	S	t a	in i	less	Stee	1
-----------------	---	-----	------	------	------	---

Phase Changes in [17% Cr. 7% Ni. 1% Al] Type Steel Khl7N7Yu. E. G. Fel'dgandler and M. V. Pridantsev.	577
St uctural Changes and Corrosion Resistance of [17% Cr, 2% Ni] Steel Kh17N2, A. P. Akshentseva	
	583
A Cr-Ni-Mo-Cu Steel Resistant to Corrosion in Sulfuric Acid Pickling Solutions. E. V. Zotova	589
Heat Treatment Technology	
Effect of Heat Treatment and Nitriding on the Magnetic Properties of Austenitic Steels. M. M. Belenkova, A. V. Kostenko, M. N. Mikheev, É. É. Stoinskaya, T. M. Pogrebetskaya,	504
and A. A. Yurgenson	591
Heat Treatment of Low-Carbon Magnetic Core Steel. N. P. Zheivin, L. N. Podvoiskii, A. L. Paisov, and E. P. Kapustina	595
Use of Controlled Atmospheres for the Heat Treatment of Stainless, Heat-Resisting and Titanium-Alloyed Materials. A. Ya. Ishchenko and V. I. Folchinskii	509
iteat Treatment of Magnesium Cast Iron Crankshafts. D. A. Svesnnikov	603
Heat-Treatment in Carbon-Dioxide Atmosphere. V. A. Shebanov	609
Corrosion of Metals	
Protection of Pearlitic Steel from High-Temperature Gaseous Corrosion. A. V. Ryabchenkov and V. I. Velemitsina	613
Electroplating of Titanium. G. N. Smolensmaya, N. T. Kudryavisev, and V. M. Karataev	615
Exchange of Experience	
Utilication of Converter Steel in the Automobile Industry. A. A. Mitrofanov, M. A. Volkova. N. I. Letchford, and G. N. Mochalov	610
Increasing the Strength of Cyanided Steel. B. A. Stetsenko	617
Surface Hardening of Annular Grooves. S. F. Solodovnik	619
Technical Developments Abroad	
Vacuum Heat Treating. F. J. Becket	620
Nickel-Based, Vacuum-Melted, Experimental High-Temperature Alloys. J. H. Gittus	622
Alloy Illium-98. T. E. Johnson	623
Latest in Furnace Design (Review). A. M. Pechkovskii and S. N. Voronina	625
Reviews and Bibliography	
Discussion of N. F. Vyaznikov's paper entitled, "Carburizing of Stainless Chronium Steel."	
A. A. Matavin	633

Available From Acta Metallurgica

CONTENTS (Contd)

Metallovedenie i Termicheskaya Obrabotka Metallov Nos 10-12, 1960

Structure and Properties of Heat-Resistant Materials. A. V. Stanyukovich	634
Thermal and Electrical Conductivity of Metals and Alloys. A. E. Mikryukov. Book Review by	
N. A. Pozdnyak.	636
Dissertations	638
Data Sheet No. 11, Hardenability Bands for Six Alloy Steels	639
CONTENTS - NUMBER 12, 1960	
Constructional Steels	
Plain Low-Carbon Steels as Substitutes for Certain High-Strength Alloy Steels. M. E. Blanter,	
K. P. Koryagin, and O. V. Martishin	641
Constructional Steels with Low Hardenability. K. Z. Shepelyakovskii	647
Nickel-Free Steel for Large Forgings. M. P. Braun, K. F. Gurzhienko, A. I. Kondrashev, B. V. Vinokur,	C E E
and A. L. Geller	655
Basic Oxygen Steel. A. A. Mitrofanov	657
Electroplated Constructional Steels. M. A. Figel'man	661
Powder Metallurgy	
Effect of Allotropic Transformations on the Sintering of Iron Powder, A. A. Shmykov and	
V. S. Saklinskii	665
Activated Sintering of Iron Powder. P. A. Andrievskii and I. M. Fedorchenko	671
Study of Comoutite in Iron-Graphite [Powder] Alloys. N. Z. Pozdnyak and E. K. Ponomarenko	675
bifect of Copper and Graphite on Properties of Sintered Iron-Base Alleys. V. K. Sorokin	677
Heat Treatment Practice	
Development Perspectives for Heat-Treatment Technology. A. D. Assonov	679
Progressive Heat-Treating Methods at the "Krasnyi Proletarii" Works, F. Ya. Chervyakov	683
News	
(70)Î. A. H. Cottrell's Visit to the Soviet Union.	688
nior Members of the Scientific and Technical Society of the Izhevsk Iron and Steel Works in the	
Struggle for Technical Progress. N. V. Yanovskii	686
Technical Developments Abroad	
Figh-Strength Steel	646
Hot Work Tool Steel	646
Bibliography	
New Bools	687
Dissertations.	654
Data Specit for No. 1th Isothermal Austenite Transformation Diagrams for Four Die Steels, According to	
F. M. Tanadze and E. K. Kovshikov.	689
Author Index for 1960	691

Instruments and Experimental Techniques

A translation of Pribory i Tekhnika Eksperimenta, a publication of the Academy of Sciences of the USSR

Russian Original Dated November-December, 1961

1961, No. 6, pp. 1045-1240	July,	1962
CONTENTS	PAGE	RUSS. PAGE
ilomogeneous Crystal Counters. B. M. Golovin, B. P. Osipenko and A. I. Sidorov	1045	5
L. D. Soshin, and E. I. Firsov	1052	14
A. N. Lebedev	1059	21
Yu. V. Korshunov and E. A. Mel shko	1062	24
L. S. Okhrimenko, and Z. S. Strugal'skii	1065	26
D. Pinter	1070	31
M. M. Veremeev, A. M. Gal'per, V. G. Kirillov-Ugryumov, L. P. Kotenko, L. A. Kuzin, E. I. Kuznetsov and G. I. Merzon Diffusion Cloud Chamber Controlled by a Photoelectric Multiplier, V. K. Lyapidevsky	1073	34
an 1 M. M. Obodovsky	1078	38
Yu. F. Ski chkov	1081	41
and S. M. Polikanov	1085	44
Me surement of the Masses of Charged Particles by Means of Scintillation Counters.	1089	49
A. V. Khrimyan, K. Sh. Egiyan, N. A. Nalbandyan, V. V. Avakyan and V. A. Karapetyan	1092	52
A Universal Counting Unit. O. V. Lebedev and V. V. Timofeev	1097	57
Ferrite Fioloscope, N. N. Goryunov and I. D. Rapoport	1099	59
It insisterized Digital Comparator and Reversible Binary Scaler, I. F. Kolpakov Multichannel Amplitude Analyzer for the Simultaneous Measurement of Several	1101	61
Spectra, R. G. Ofengenden and L. D. Konenko	1104	65
Millimicrosecond Multichannel Time Analyzer. A. A. Kurashov and V. A. Sidorov,	1110	69
Time Selector for Pulse Series Analysis. V. G. Brovchenko and Yu. D. Molchanov	1114	74
linear Cap citive Accumulator, V. G. Brovchenko	1117	77
K. N. Ptitsin	1120	80
Dual-Beam Mess Spectrometers, L. V. Gol'denfel'd and I. Z. Korostyshevskii ulsed Source of Multicharge Ions with Magnetic Beam Separator, L. I. Bolotin,	1122	83
P. S. Markin, and S. I. Meleshkov	1125	86

Available From Instrument Society of America

CONTENTS (continued)

Pribory i Tekhnika Eksperimenta,		RUSS.
No 6, 1961	PAGE	PAGE
and the second of the second o		
Spark Type Source of Multiply Charged Ions. L. I. Bolotin, F. S. Markin, Yu. F. Kulygin,	1127	88
G. M. Skoromnii, and S. I. Meleshkov	1130	91
New Photomultipliers, G. S. Vil'dgrube, N. V. Dunaevskaya and I. A. Kharitonova	1133	94
Controlled Double-Trigger Spark Gap. S. I. Lobov and M. A. Kanunov.	1135	96
The MV-3 Vacuum Monochromator. M. E. Akopyan, I. I. Balyakin and F. I. Vilesov	1138	100
A Nonesecond Light Impulse Generator. A. P. Onuchin	1100	100
A Study of the Electrical Characteristics of Flash Tubes During Repeated Discharges.	1141	103
V. I. Isaenko and G. N. Travleev		100
C. A. Panchenko.	1146	108
Device for Electrodeless Measurement of Electric Conductivity. V. N. Kunin.	1149	111
Certain Problems Concerning the Operation of Magnetic Torsion Scales, N. B. Brandt		
and Ya. G. Ponomarev	1152	114
Device for Measuring the Position Depth of p-n Junctions, M. N. Zargar'yants,		
V. S. Popov, and I. I. Taubkin	1155	117
A High-Temperature Furnace for the Investigation of the Spectra of Low-Volatile		
Compounds, S. M. Chemin and A. A. Mal'tsey	1158	120
An App. ratus for Obtaining the Temperatures Down to 0.3° K by M. as of He ³ .		
B. N. Esel'son, A. D. Shvets, and N. G. Bereznyak.	1160	123
On Double Focusing in Wide Energy Intervals. V. F. Litvin and Yu. A. Lakomkin	1162	125
Unilization of Plutonium Alpha-Specimens in "Ionization Calorimeters".		
K. A. Kotel'nikov, O. F. Ogurtsov and N. E. Khromykh	1163	126
Reversible Counter Using Dekatrons OG-5. I. D. Murin	1164	127
Simple Method for Stabilizing Trigger Circuit Amplitudes. V. D. Lavrenikov and		
A. A. Osochnikov	1166	129
Direct Current Regulator, E. Egorov and G. Sycheva.	1168	130
Current Regulator for an Electromagnet. O. F. Revokatov and E. F. Nasedkin	1169	132
locating Breaks in Cable Conductors, G. G. Neuimin and A. N. Paramonov	1170	133
Protection of Ionization Manometer Cathodes. V. A. Ryzhov	1172	135
Discharge Tube with Hollow Cathode, M. S. Kashtan and T. N. Khlopina	1173	136
Stabilizer of Photoluminescence Light Flux. N. I. Kuznetsov	1175	138
Heating Arrangement for Study of Thermoluminescence, I.A. Bochvar and I. B. Keirim-Markus.	1176	139
Cryostat for Dispersion Measurements at Low Temperatures. V. P. Babenko, M. S. Brodin,		
and M. S. Soskin,	1178	140
Electromagnet with Superconducting Winding. I. N. Goncharov, I. I. Gromova,		
3. S. Neganov and L. B. Parfenov	1179	142
Magnetic Suspension for Investigations at Low Temperatures. A. D. Shvets and		
V. B. Kashirin	1180	144
On the Magnetic Properties of Brass. A. A. Frantsuzov	1183	146
A High Pressure Chamber. A. V. Averkin and V. N. Bogomolov	1184	147
Propartition of Thin Al ₂ O ₃ Films. G. B. Andreev, A. S. Deineko, I. Ya. Malakhov.		
1. V. Sorokin, and A. Ya. Taranov	1185	149
Program Control of Temperature. G. R. Trubnikov, Yu. M. Sivergin, and B. V. Grebennikof.	1186	150
A Shortened Mercury Vacuum Gauge: D. I. Vasil'ev	1187	151
Relay-Manometer. V. A. Dolgikh	1188	152
NEW INSTRUMENTS		
KA-2 Correlator with Magnetic Recording and Frequency Transposition	1189	153
tite a Collectural mills timbinate imparismed and readmental commissions to the training and		
ADVERTISEMENTS		
- EM- t Electronic Microscales	1192	178
Assailable Sham Tuckeymout South to a second		
Available From Instrument Society of America		

CONTENTS (continued)

Pribory 1 Tekhnika Eksperimenta, No 6, 1961	PAGE	RUSS. PAGE
SMI-1000 Micromalytic Scales	1193	178
A-900 Analytical Scales	1194	179
VTI -500 Technical Scales.	1195	179
ADV-200 Analytical Scales.	1196	180
FV-531 Electric Timer.	1197	180
F-137 Photoelectric Amplifiers	1198	181
Electronic Extremum Regulator	1199	182
I. R. dinactive Isotopes Which are Produced in the Form of Compounds and Preparations	1200	183
II, Stable Isotopes Which are Produced in the Form of Enriched Stable Isotopes		
or Labeled Compounds with Enriched Stable Isotopes,	1201	183
III. Nuclea: Radiation Sources	1202	184
IV. (sotopic Targets	1202	184
Aut for Index, 1961	1205	
Tables of Contents, 1961	1219	

Radiokhimiya, Vol II, No 5, 1960

Table of Contents

	Russian page	English page
Melikhov, I.V. Cocrystallization of microimpurities with growing crystals	509	1
Klokman, V.R., and S.A. Payusov. Studies on the effect of the nature		
of the solvent and the radius of the cation of the microcomponent on the		
crystallization coefficient	52.	13
Vdovenko, V.M., A.S. Krivokhatskii, and Yu.K. Gusev. Extraction		
of the nitrates of different metals by mixed solvents	531	22
Pushlenkov, M.F., E.V. Komarov, and O.N. Shuvalov. Effect of		
the nature of the diluents on the extraction of uranyl nitrate by tri-n-butyl		
phosphate	537	27
Patrusheva, E.N., N.E. Brezhneva, and G.V. Korpusov. Extraction of		
rare-earth fission products by organo-phosphorus compounds (Diamyl-		
phosphoric scid)	541	31
Lebedev, I.A., S.V. Pirozhkov, and G.N. Yakovlev. Determination		
of the composition and the instability constants of oxalate, nitrate and		
sulfate complexes of Amili and Cinill by the method of ion exchange	549	39
Kanevskii, E.A., and I.A. Fedorova. The kinetics of the oxidation of		
UIV in solution with chlorates, ammonium persulfate and hydrogen peroxide	559	48
Panova, M.G., and V. '. Levin. Study of the complex formation of yttrium.		
III. The investigation of the dissociation of 8-oxyquinoline by the		
extraction method	568	57
Grinberg, A.A., and S.S. Borfakova. The exchange of thiocyanate ions		
in K2[Pt(SCN), and K2[Pt(SCN),)	574	6 5
Grinberg, A.A., and L.E. Nikol'skaya. The influence of the solvent on		
the rate of the isotope exchange in complex compounds of platinum	584	74
Grinberg, A.A., and G.A. Shagisultanova. The problem of bromine		
exchange in cis- and trans-diammined bromides of bivalent platinum	592	62
Levin, V.I., M.M. Golutvina, and E.A. Tikhomirova. Isolation of		
carrier-free Co ⁵⁸ from neutron-irradiated nickel by extraction	596	85
Belyaev, B.N., Van Yun-yui, E.N. Sinotova, L. Nemet, and		
V.A. Khalkin. Separation of astatine from lead, bismuth and		
thorium irradiated by 660 Mev protons	603	92
Zaitseva, N.G., and LoVen-chahun. The valency states of radioactive		
isotopes of iodine produced by spallation of tellurium, cesium and iodine		
with high-energy protons	614	103
Shamaev, V.I. Analysis of some microimpurities in selenium and in		
tellurium by the neutron activation method	624	113
•	•••	
Brief Communication		
Zharov, P.N. A rapid method for radium determination in water	630	119
Letter to the Editor		
Malkin, L.Z., E.S. Nikol skays, and K.A. Petrshak. Investigations of		
the possibility of the existence of an e-emission branch of Ra ²²⁵ in the		
neptunium series	632	121

Full Translation by AEC-tr-4578 PL-430 (PST 569)

Radiokhimiya, Vol- II, No 6; 1960

Table of Contents	Russian page	English page
Alimarin, L.Ts., Yu.A. 2 slotov, and E.S. Pal'shin. Extraction		
of the 1-mitrosc-2-naphillolate of pentavalent neptunium	637	125
Mints, S., and S. Linus . Investigation of the causes of selective extraction	4.4	404
of uracyl nations by an -n-butylphosphate	643	131
Adamskii, N. M. Salting-out activity of nitrates	653	140
Kondratov, P.1., and A.D. Gel'man. Phenylamonates of neptunium	400	
(IV) and (VI)	659	146
Zil'berman, Ya.l., and B.i. Feshchevitskii. Preparation, composition	443	
and certain properties of the diethyldithiocarbamate completes of usuaryl	663	149
Krasnov, K.S. Some thermodynamic characteristics of the gaseous halides of francium	668	155
Krasaov, K.S., and G.A. Krestov. The volatility of francium compounds	671	158
Vdovenko, V.M., K.I. Efimova, and A.A. Chaikerskii, Studies on	9/1	130
complex formation in nonaqueous solutions. II. The system water-butyl-		
scetate-benien:	675	162
Kursetsov, V.I., and S.B. Savvin. Extraction of uranium and its photo-	0 73,	10%
metrical determination with amenazo III	682	169
Grinberg, A.A., D.N. Bykhovskii, L.E. Nikol'skaya, and	992	103
G.I. Petrahak. The isolation of the oxalate of tetravalent uranium		
from solutions using rongalite	687	174
Ishina, V.A., A.F. Ivanchenko, and D.M. Ziv. The electrochemical	•••	•, •
deposition of bismuth from its dilute solution. III. Effect of oxygen and		
of the acidity of the adultion on the deposition-solution potential of bismuth	691	178
Balashova, N.A., and N.S. Merkulova. An adsorption-electrochemical		
method for the aparation of radioactive zirconium and niobium	699	186
Balashova, N.A., and N.S. Merkulova. The adsorption-electro-	•	
chemical separation of radioactive cerium and praseodymium	704	191
Shvecov, V.P., K. V. Petrzhak, R.V. Sedletskii, and A.V. Stepanov.		
Application of continuous electrophoresis to the separation of the rare-		
earth elements produced in the photolission of U ²³⁸	711	198
Shvedov, V.P., and Fu I-bei. Separation of radioactive isotopes at a		
dropping mercury cathode. IV. Study of the separation of Pm 147	714	202
Shvedov, V.P., and Fu I-bet. Separation of radioactive isotopes at a		
dropping mercury cathode. V. Study of the separation of No. 95 without		
a carrier	720	207
Shvedov, V.P., and Sh.A. Musaev. Study of the separation of mixtures		
La -Y , La -Pm 147 and Sr -Y on a precipitate of cerium (III) ledete	723	210
Lileva, O.M., and S.K. Preobrathenskii. Jon-exchange separation of	,	
elements. V. Elements of the sikuli group	728	215
Lilova, O.M., and B.K. Preobrathwaskii, lon-exchange separation of	,	
elements, VI. Alkaline-earth clements	731	218
Segretsov, V.F., V.M. Nikolaev, V.L. Zeletavin, N.P. Kestina,	•••	
and L.V. Sharevs. Scritten of microamounts of strentium and costum		
ou blatite	734	221
Nefedov, V.D., E.N. Sinotova, and V.D. Trenin. Study of the isstope.		
exchange in the system Bio(CgHz)3-Bi(CaHz)3Cl2- alcohol	739	227
Krisyuk, I.T., G.P. Lepney, and N.B. Platunova. Determination of the		
partial yields of Calab and Balab in U238 fission with 14 Mer neutrons	743	231
Keleyuh, L.T., N.B. Platunova, and A.N. Protopopov. Ditemination		
of martial vields of several products of U235 fluides with 14 Mey agreement	746	234

Full Translation by AEC-tr-4578 PL-480 (PST 570)

Radiokhimiya, Vol II, No 6, 1960

Table_of Contents (Contd)		English page
Starth, L.E., and K.F. Lazarev. Effect of crushing of minerals on the extraction of redicactive elements	749	237
Brief Communications		
Rlokman, V.R., and A.A. Mel'nikova. The influence of the differences in the radii of the cations of micro- and mecrocomponents on the values of	* ,	
the crystallization coefficient D. System KCI-NaCl-BaCl2	753	241
Viktor Nikolasvich Ruksvishnikov (obitusry)	755	243
Author Index		244
Subject Index	•	246
List of Abberriations	•	248

Full Translation by AEC-tr-4578 PL-480 (PST 570)

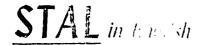
TELECOMMUNICATIONS AND RADIO ENGINEERING

PART II: RADIO ENGINEERING

1962	VOLUME 17	NUMBER 3
	CONTENTS	
	Radiotekhnika	Page
Radio Communications	n of Mutual Interference Between Channels During The Transmission of Signals	
A.A. Tyutin: One Method Network to an Equivale	l of Reducing a Multipole ont Four-Terminal Network	. 7
	ruide with a Parallelogram	. 18
L.P. Yavich: The Input In Transitions	mpedance of Stepped	. 20
	sis of Two-Circuit Parametric	. 24
	ushko: On the Usefulness lling Interval	
V.V. Tsvetnos: Threshol Radio Direction Finder	d Sensitivity of Phase	. 44
	al Density of the Voltage at ence Stage	. 58
	d Investigation of Rectifier Ooubling	. 67
I.Kh. Rizkin: On a Metho Frequency Dividers .	od of Analyzing Harmonic	, 73
New Booka		. 76

Available From American Institute of Electrical Engineers

April 1962



Published by

THE IRON AND STEEL INSTITUTE

by arrangement with the Depisioners of Scientific and Industrial Research

245 Thirtieth anniversary of the Kuznetsk combine

IRONMAKING

- 247 Production of fluxed pellets from sulpbur-containing magnetite concentrates of Magnitogorsk and Sokolov-Sarbai ores F. F. Kolesanov and E. G. Gavrin

- 250 Effect of natural gas on the temperature and chemical composition of pig iron N. E. Dunaev and S. L. Yaroshevskii
 253 Continuous measurement of pig iron temperature on tapping Yu. G. Yaroshevko et al.
 256 Automatic control of gas combustion in blast-furnace stove burners A. S. Belyakov and L. K. Kabysh
- 257 Increasing the durability of the small bell on a blast-furnace A. V. Plankina
- 258 Effect of crystallization on the expansion of blast-furnace slags P. S. Semenov and Yu. D. Kruchinin

STEELMAKING

- 259 The distribution of gas flow in the regenerator checkers of 500 ton open-hearth

- furnaces G. I. Antonov et al.

 261 Flat alloy steel ingots G. N. Sergeev et al.

 263 Selection of parameters for large plate ingots I. D. Kuzema et al.

 265 Semicontinuous casting of stainless steel under a synthetic slag B. Z. Kononov et al.

 267 Graphite-fireclay and graphite bottom plates and inserts when teeming killed steel

- 267 Oraphite-interest and graphite bottom plates and inserts when teening kined ingots B. M. Tsirlin et al.
 269 Graphite rings used for teeming steel direct V. N. Domoradskii
 269 Powdered metal tips of zirconium bovide for thermocouples in making direct measurements of liquid steel temperature V. S. Kocho et al.

ELECTROMETALLURGY

- 270 The use of hollow electrodes on an industrial electric steelmaking furnace.
 A. S. Mikulinskii et al.
 273 Rammed lining in acid are furnaces with a cylindrical shell. V. M. Soifer and
- A. I. Zakolodnaya

FERROALLOYS

274 Investigations into power controllers with electromechanical and electrohydraulic drives on ferroalloy refining furnaces - 4. I. Sapko et al.

- ROLLING AND TUBE PRODUCTION

 277 The mastery of ball rolling machines. M. A. Kurganov et al.

 278 Reducing scale formation on continuous wire mills. A. P. Chekmarev et al.

 282 Electro-impulse cutting of transverse three in roll grooves for rolling recurrent reinforcement sections. L. N. Bakhishin et al.

 285 Main trends in the design of tubernils. V. P. Markov and V. V. Nosal.

 287 The latest transfer to the companion of the tube industry. S. A. Fell L.
- 287 The latest trend in the expansion of the tube industry. S. A. Frikke.

- METAL WORKING AND HEAT TREATMENT

 188 Properties of high-strength 35Kh2GSVA steel Ya. E. Gol'dshiem and M. B. Balakhovskaya
- 292 Improving the production of transformer steel V. S. Ozhiganov et al.
 294 Thermal and mechanical treatment of suspension and coil spring steel and its reversibility M. I. Bernshtein and A. G. Rukhshtadt
- 296 High-alloy cold rolled electrotechnical steel with a low anisotropy. A. A. Nefedov et al.
- ECONOMICS AND ORGANIZATION
 Depreciation and major repairs in the iron and steel industry A. A. Andreev
- 301 Improving the index figures for the government plan in the iron and steel industry G. P. Zhuravlev

HEAT TECHNOLOGY

- 302 The component ands of high-pressure burners in open-hearth furnaces V. G. Lisienko et al.
- 307 Helt control in soaking pits 1 N 11'ke et al. 309 Improvements in stack annealing turnaces for bright annealing V. I. Mitkuliunyi and N. G. Molchanov

SMALL COMPONENT PRODUCTION

- 311 Manufacture of rope wire with a heavy zinc coating. N. V. Sokolov et al. POWER AND PLANT
- 314 Experience in treating water with fluc gases at the Donets works. D. E. Krusmichen FOUNDRY PRACTICE
- 316 Core samples from the walls of an ingot mould for studying its structure and metal properties. F. N. Tavadre et al.
- GENERAL
- 318 Prospects for utilizing blast-furnace stags. G. N. Khur'kovtsev and L. P. Mukarov 321 Second Congress of the Scientific and technical society for ferrous metallurgy

OBITUARY
324 Dmitrii Valentinovich Nagorskii

Available From British Iron and Steel Institute

Published in Russum by Metallurgizdat Monow

svetnye Metaliy	Table of Content:	Vol. 2	. No.	7
Mon-Ferrous Metals	August, 1961	English T		
The state of the s				
Concentration of Lead-Copper	-Zinc-Pyrite Sulfide Ore	es,	•	
Containing Secondary Coppe	er Sulfides, by V. A. Nag	gaenko	1	(1)
The Influence of Pulp Flow	Rate in Flotation Machine	es on		
Fictation Time, by 0. S. I V. Ya. Khainman			3	(4)
The Preparation of Metal Ba	lances at Ore Dressing P.	lants, by		
V. I. Perkaleva			11	(11)
The Problem of Most Accurate				
Preparing Metals Balances by D. A. Shumkov			14	(14)
The Influence of Analysis A				
by a. A. Rubinchik		<u>.</u>	17	(16)
Obtaining Bismuth from Waste	e Products After Finishing	ng Tungsten	20	(19)
Intermediate Products, by Mineral Composition and Caus	ses for the Formation of	Crusts in	25	(17)
Waelz Furnages of the Che	lyabinsk Lead Plant, by	A. V. Gorokh		
V. A. Zorina, G. A. Komle	v and V. S. Chakhotin		28	(28)
FluoSolid Reduction Roastin			33	(33)
and F. M. Loskutov Some Remarks n the Article))	()))
Ferrous Metallurgy Furnace	e Development, w by A.K.S.	hakhnazarov.	41	(41)
The Question of a Rational	Design for the Cathodic	Unit of an		
Aluminum Electrolyzer and	Computing its Voltage D	rop, by	,,	(43)
M. A. Korobov, A. M. Tsyp. Methods of Improving the Ca	thode Design of Aluminum	Electro-	44	(4))
lyzers, by V. P. Nikiforo			50	(50)
A Method of Producing Ammon	ium Molybdate from Solut.	ions with		(>
High Sodium Sulfate Conter	nts, by K. Ya. Shapiro		57	(57)
Scandium in Various Kinds o S. Ya. Kaganovich			61	(61)
Experimental Industrial Fab	rication of Bimetal Stri	ps of Zinc		(- /
Alloy-Armeo Iron, by A. A	. Berez, V. K. Korol' an	d	4 -	14-5
I. L. Perlin.	One of the orange of the state	7	65	(65)
Electrical Conductivity of A. I. Okunev and B. N. Za	grahaling	Lyazev,	70	(70)
Treating the Siags Produced	After Fusion of Seconda	ry Aluminum	, -	
Alloys, by A. Ya. Fisher,	N. A. Alfer'eva and A.A	.Mkrtychan	76	(76)
The Laning of A High Qualit	y Furnace for Melting Co	pper-Chrome		
Alleys, by Ya. F. Shabaan T. A. Aleksandrova and I.	Ve Prokhorova	. Sergeev,	82	(81)
The Regeneration of Zinc fr	om Industrial Waste Prod	uota, by	-	(02)
V. G. Nagirny and K. D. T	imoshenko	• • • • • • • • • •	85	(85)
Regeneration of Molybdenum	Waste Products, by S. A.	Viktorian-	077	(87)
skil, R. B. Margulis, E. Lifting Pulp and Concentrat	P. Ignashev and A. U. An	arin to and Pump	87	(07)
Units, by S. I. Chernykh.	ion reduces by raip bir	· · · · · · · · · · · · · · · · · · ·	89	(89)
Ental Collecting Experience	at Ore Dressing Plants,			
by A. V. Shtenger			92	(91)
Results of Competition on D veyer Shops of Non-Ferrou	ust Removal from the Cru	aning-com-	95	(93)
"The Extrusion of Metals."	Book Review		98	(95)
New Tochnical Literature			99	(96)
The Development of Continuo	us Aluminum Casting in C	apitalist		/1011
Countries, by V. E. Prikh	od ' ko	• • • • • • • • • •	104	(101)
Available From Primary Sources	- 396 -			

Uspekhi Fiziches'tikh Nauk CONTENTS Vol LXXIV, No 1/2, 19 1	Page		sian rence
Modern Theories of Dipole Polarization of Condensed Molecular Systems	389	74,	3
Absolute Intensities of Electronic Transitions in Diatomic Molecules	405	74,	31
Satellites and Meteorology	425	74,	61
Electrodynamics of Media with Spatial Dispersion	441	74,	193
The Present State of the Theory of Polarization of Ideal Ionic and Valence Crystals	459	74,	223
K. B. Tolpygo	485	74,	269
Meetings and Conferences			
Fourth Conference on Semiconductor Theory	498	74,	161
B. D. Tartakovskii	511	74,	369
Methodological Notes			
Experiments on Refraction and Reflection of Polarized Light			
The Michelson Interferometer as an Apparatus for Lecture Demonstrations	521	74,	177
T. S. Velichkina, O. A. Shusting and N. A. Yakovlev	523	74,	381

Available From American Institute of Physics Soviet Physics - Uspekhi Vol IV, No 3,

Uspekki Fizisheskikh Nauk CONTENTS	Page	Rus: Refer	
Vol. LXXIV, No 3/4, 1951 The Study of Nonequilibrium Phenomena in Shock Waves	525	74,	393
Physics of Our Days			
Cosmic Rays on Earth and in the Universe	553	74,	521
New Instruments and Methods of Measurement			
Electron Interference and Phase Microscopy	576	74,	553
Spectroscopic Studies of Benzene	584	74,	577
Methods of Measuring Dielectric Constants of Substances at Microwave Frequencies	60 7	74,	609
V. P. Shestopalov and K. P. Yatsuk	617	74,	721
Meetings and Conferences			
Symposium on Physical Fundamentals of the Electrophotographic Process	637	74,	567
Erratum	640		

Available From American Institute of Physics Soviet Physics - Uspekhi Vol IV, No 4,

SOVIET PHYSICS USPEKHÍ	VOLUME 5, NUMBER 1	JU	LY-AU	GUST
	Uspekhi Fizicheskikh Nauk CONTENTS	Page	Rus Refe	sian rence
	Vol LXXVI, No 1/2, 1962 led Thermonuclear Reactions L. A. Artsimovich	1	76,	11
trix	tary Particles and the Theory of the Scattering Ma	7	76,	25
	A. A. Rukhadze and V. P. Silin Dislocations in Metals	37	76,	79
	L. G. Orlov, M. P. Usikov, and L. M. Utevskii rystals Containing Local Centers, and Methods of	53	76,	109
	P. P. Feofilov and A. A. Keplyanskii Materials	79	76,	201
Surface Inergy and Surface Processe	es in Solids	104	76,	239
Resonate Interactions of π Mesons w	ith Strange Particles (Experimental data)	129 158	78, 76,	283 329
	Methodological Notes	100	1,0,	323
	cs	171	76,	181

Available From American Institute of Physics Soviet Physics - Uspekhi Vol V, No 1

Russian Chemical Reviews

Uspekhi Khimii vol xxx, No 9, 1961

CONTENTS

	PAGE	ŧ
(1069)	471	Structure and reactivity of organic compounds (quantitative laws) V. A. PAL'M
(1124)	498	Polymeric co-ordination compounds I. HAIDUC
(1175)	526	Synthetic analogues of the aikaloid reserping S. G. A GBA LYAN

Available From Cleaver-Hume Press Ltd.

Russian Chemical Reviews

Uspekhi Khimii Vol XXX, No 10, 1961

CONTENTS

PAGE (1197) 537 Methods for converting carbohydrates to carbocyclic compounds G. N. DOROFEENKO and Yu. A. ZHDANOV Advances in the synthesis of polysaccharides Yu. L. POGOSOV and Z. A. ROGOVIN (1215)545 (1237) 556 The causes of the stability of emulsions S. S. VOYUTSKII (1258)New data on polynuclear aromatic hydrocarbons M. ZANDER Translated into Russian from Angew. Chem., 72, 513 (1960) (1272)Kinetic equations of homogeneous reactions R. ZAHRADNIK Chem. Listy, 53, 56 (1959) A geometrical approach to the structure of liquids $\mathbf{J},\ \mathbf{D}.\ \mathbf{BERNAL}$ (1312) Translated into Russian from Nature, 183, 141 (1959)

Available From Cleaver-Hume Press Ltd.



Russian Chemical Reviews

Uspekhi Khimii Vol XXX, No 11, 1961

CONTENTS

(1325)	PAGE 569	Aromatic heterocylic N-oxides D. V. IOFFE and L. S. EFROS
(1352)	583	Cyanoethylation, decyanoethylation, and transcyanoethylation P. F. BUTSKUS
(1381)	598	New data on hydride-transfer reactions D. N. KURSANOV and Z. N. PARNES
(1391)	602	Principal factors in the free-radical chlorination of alkanes A. S. BRATOLYUBOV
(1410)	612	Sorption and chromatography of macromolecular substances G. V. SAMSONOV
(1424)	619	The discovery of element 103 S. S. RODIN

Available From Cleaver-Fume Press Ltd.

Medican Mineral Surveys

V. M. Glushkov	The abstract theory of automata	I
S. M. Nikol'skii	On imbedding, continuation and approximation theories for differentiable functions of several variables	55
O. A. Oleinik and S. N. Kruzhkov	Quasi-linear second-order parabolic equations with many independent variables	105

Available From Cleaver-Hume Press Ltd.

TABLE OF CONTENTS

Voyennyy Vestnik, No 3, 1952

Table of Contents	Page
Tactical Skill of Officers	ı
Decisions of the XXII Congress of the CPSU in Action	
Raising Political Training, By Col K. Yakovlev	6
On the Rise, By Lt. Col. Technical Service, A. Kiselev	10
Forging Ahead, By Lt. Col. V. Nesterov	12
Tactics	
High Speed for Columns on the March, By Twice Hero of the Soviet Union, Lt. Gen., Tank Troops D. Dragunskiy	17
Night March of the Company, By Lt. Col. A. Pukhov	23
schrical Support of a March, By Engineer Lt. Col. L. Kapterev	28
Air Landings in the Enemy's Rear Area, By Col. V. Smirnov, Nth Training Center	32
The Battery in the Composition of the Advance Guard, By Col. V. Khromenkov	35
Engineer Measures During a Tank Battalion March, By Col. A. Demidov and Lt. Col. V. Gasetov	40
Communication in the Reconnaissance, By Maj. H. Nazarov	43
This is Very Important, By Col. P. Podsakhodnikov Available From ACSI-I-0424-C ID 2191530	45

CONTENTS (Contd) Voyennyy Vestnik, No 3, 1962

Discussion of the Article "Small Rifle Units in the Defense" (Vegennyy vestnik, No 10, 1961)	
The Flatcon Needs a Position, By Col. V. Prozorov	48
In Favor of Flatoon Area Defense, By Lt. Col. A. Slabodyanyuk	50
Maneuver in the Defense, By Col. (Res) K. Dubrovin	52
Discussion of the Article "Small Rifle Units in the Attack" (Voyennyy vestnik, No 11, 1961)	
Conciseness and Concreteness of Decisions, By Col. I. Semenov	52
The Combat Formations May be Varied, By Col. (Res) B. Zasukhin	55
In What Lies the Essence of Attacking from a March, By Lt. Col. V. Vinnikov	57 .
The Platoon Commander on the Terrain, By Maj. A. Tiganin	5 8
Reconnaissance During the March and During a Meeting Engagement, By Lt. Col. Khristo Khristov and Maj. Bozhko Nikolov	59
Training and Education	
Tactical Drill Exercises Involving a Motorized Infantry Pattalion, By Col. A. Serov	64
Platoon Raid at Night, By Col. V. Manikov	72
An Important Condition in Improving Discipline, By Captain 2d Rank I. Nosyr	77
Provide Careful Preparation for Academy Candidates, By Maj. Gen., Tank Troops, I. Demchuk	83
Instruction of Tank Drivers, By Guards Lt. Col. P. Kireyev	86
A Son of the Regiment, By Capt. 3d Rank I. Geleverya	89
Habits of Educational Work, By Lt. Col. V. Abulov	96
Rockets, Artillery, and Air Defense Troops	
Rockets and Artillery	
A Meeting Engagement, By Lt. Col. V. Perkach	99
Meteorological Support of Artillery Fire, Fy Col. P. Dolgov and Engineer Lt. Col. V. Shevkunov	105
Recomputation of Coordinates of Points From Zone to Zone, By Maj. V. Kolpikov	110
Air Dofense Troops	
Available From ACSI-I-0424-C ID 2191530	

CONTENTS (Contd)

(000000)	
Voyennyy Vestnik, No 3, 1962	
Training of a Battery for Actions on the March, By Lt. Col. L. Lepekhin	117
The Battery Accomplished Its Mission, By Lt. Col. D. Grigor yev	125
Special Troops	
Engineer Troops	
Laying a Floating Bridge in Winter, By Guards Col. G. Kotov and Maj. V. Letunovskiy	129
Special Tactical Exercise with a Technical Subunit, By Engineer Col. V. Poshekhontsev	132

How To Know the Trafficability of a Frozen Swamp, By Engineer Lt. Col. M. Lasebnikov 137 Signal Troops Radio Mechanic Students Receive Field Practice, By Engineer Lt. D. Yevglevskiy 139 The Telephone Men Lay Lines of Communication, By Senior Lt. V. Alekseyev 141 Fire and Weapons A Platoon Conducts Combat Firing at Night, By Col. I. Lysenko and Lt. Col. S. Prokhorov 147 Preparation For Direct Fire, By Col. A. Slashchev 153 Rapidly and Accurately, By Lt. Col. E. Alekseyev 158 To Instruct Under Difficult Circumstances 163 Miscellaneous Scale For Facilitating March Computation, By Lt. Col. V. Kostyukhin 168 Equipment for Armored Personnel Carriers, By Lt. Col. M. Yesipov 171 How to Attach a Travel Nort Papidly, By Lt. Col. V. Lyslov 174 Criticism and Bibliography Society and a Commander's Exactingness, By Col. F. Koslov 177 Loyalty to a Soldier's Duty 180

Available From ACSI-I-0424-C ID 2000 30

Voyennyy Vestnik, No 4, 1962

TABLE OF CONTLINES

	Page
UNDER THE BANNER OF LENIN	2
TO LEMIN FOR THE TRUTH, BY LT GAN (RET) S. KALINIH	7
IN THE MOTHERLAND OF IL'ICH, BY LT COL T. NEKRYLOV	11
THE DECISIONS OF THE XXII CONGRESS OF THE CPSU IN ACTION	14
Useful Competition, by Maj V. Khalipov	14 17
I. Gostev and Col (Res) V. Veynov	20
T'CTICS	23
The Tank Battalion in a Meeting Engagement, by Lt Col L. Korzun The Tank Company in a Meeting Engagement, by Lt Col	23
A. Kholodkov	27
S. Nezhinskiy	30 33
Occientation in the Desert and Steppes, by Maj Gen (Res) G. Priboychenko	37 39 43 45 47 50
Increasing the Depth of the Combut Mission, by Col V. Prozorov	50

CONTENTS (Contd)

Voyennyy Vestnik,	_
No 4, 1962	Pe
(TACTICS continued)	
Varying the Methods of Operation, by Col G. Kikhtenko Attacking on Armored Personnel Carriers, by Col (Res)	02
K. Dubrovin	5 ³⁵
Small Rifle Units in the Defense	15 10
INSTRUCTION AND TRAINING	63
A Patriotic and International Obligation, by Col M. Vetro Under Difficult Conditions, by Maj I. Nevrev	63 67
Creative Work of a Commander, by Col I. Mareyev Visual Aids on Foreign Armies, by Maj I. Petrov and Capt	70 20
Vodoturskiy	74
P. Chirkov	7 5
Preparation for Exercises, by Col Ye. Bob	?5 6∷
Exercises on Gymnastic Apparatus, by Col K. Azarov Conserve the Means of Defense, by Lt Col I. Kolyada and Lt	84
Col S. Dolodonov	()
Military Schools	\$ -
Generosity of the Soul, by Lt Col V. Tomashevskiy	9.
No Tutelage Is Needed, by Lt V. Avanesov	Ş.
A Good Beginning, by Maj K. Kreyko	\$0 2.00
ROCKETS, ARTILLERY, AND AIR DEFENSE TROOPS	103
Rockets and Artillery	103
Combating Enemy Fires in a Meeting Engagement, by Col	
B. Strel'chenko and Col V. Vladimirov	103
Free Flight of a Rocket, by Col A. Bobrikov Our Experience in Increasing Maneuverability, by Col	109
V. Ryshkov Answers to Readers' Questions on Firing	1.13 12.6
Air Defense Troops	116
Improving Firing Methods, by Col D. Miloserdov	118
From Experience in Firing in Short Stops, by Col	755
A. Kozhevnikov	
N. Vasin	123
SPECIAL TROOPS	1.25
Engineer Troops	12 G
Preparation of Routes in the Muddy Season, by Lt Col B. Zinkovskiy and Engr-Lt Col M. Lazebaikov Our Experience in Mine-Laying at Night, by Capt N. Avdeyev. A Decision for the Commander of a Mobile Demolition De-	125 125
tachment	13 0
Signal Troops	132
The Training of Specialists in Combined Operations, by Col M. Artamonov	13.3

CONTENTS (Contd)

Voyennyy Vestnik, No 4, 1962	Page
(SPECIAL TROOPS continued)	
Radio Operators Learn to Work on the Move, by Col R. Meychik and Maj M. Ostapov	134 138
F. RE AND WEAPONS	139
A Company of Marksmen, by Col V. Kovalets	139 142 146
ice, A. Levchenko	150
CRIMIQUE AND BIBLICGRAPHY	152
The Order of Lenin	152 154
Available From ACSI I-0424-D ID 2191530	

Volume 16, Number 6

November-December, 1961

CONTENTS

Znurnai Anaiitieneskey Knimii	PAGE	PAGE
Analytical Chemistry and the Twenty Second Congress of the Communist Party		
of the Soviet Union	649	657
The Effect of the Degree to which Test Material is Ground on the Results of		
Quantitative Spectrographic Analysis by the Blast Method. G. I. Kibisov and		
N. B. Kubasova	651	660
The Mutual Influence of the Alkali Metals During Their Determination by Flame		
Photometry, T. F. Borovik-Romanova	655	664
The Influence of Certain Organic Materials on the Radiation of Calcium in a Flame		
in the Presence of Aluminum, E. E. Vainshtein and V. I. Lebedev	661	670
Photometric Determination of Magnesium with the Reagent Picraminazo,		
S. I. Gusev, E. V. Sokolova, and Z. A. Bitovt	664	674
Photometric Determination of the Calcium Content of Cement Materials by Means		
of Complexons. I. V. Bogdanova	669	679
Determination of Cerium in Cast Iron by Titration with Hydroquinone Solution.		
A. A. Amsheeva and D. V. Bezuglyi	673	683
Determination of Titanium in Titanium Carbide-Vanadium Alloys. E. E. Kotlyar		
and T. N. Nazarchuk	678	688
Conditions for Separation of Assenic and Preparation of the Blue Assenomolybdate		
Complex. G. A. Butenko, V. P. Korzh, and E. M. Rodionova	681	692
2,3-Dimercaptopropionic Acid as a Reagent for Molybdenum. A. I. Busev,		
Chang Fan, and Z. P. Kuzyreva	684	695
A Study of the Interaction of Molybdenum with 8 Mercaptoquinoline.		
N. A. Agrinskaya and V. I. Petrashen'	690	701
Amperometric Titration of Vanadium and Uranium with Trivalent Titanium Salts.		
Z. A. Gallai and N. M. Sheina	695	706
Quantitative Determination of Uranium in Ores by an Oscillographic Polarographic		
Method, D. I. Ryabchikov, Ya. P. Gokhshtein, and		
Kao Ts'ai Sheng	698	709
Successive Extraction Photometric Determination of Traces of Copper, Nickel, Iron,		
and Manganese, A. B. Blank, A. M. Bulgakova, and		
N. T. Sizonenko	704	715
Chemico-Spectrographic Determination of Microsuspurities in Sodium and Potassium		
Chlorides and in Tartaric Acid. G. A. Poytsov and T. G. Manova	709	720
The Determination of Water, A. L. Gol'dingy, V. I. Lukhovitskii, and		
G. Ya. Mal'kova	713	724
U. IS. MAI KOYS	120	
BRIEF COMMUNICATIONS		
Determination of Sexivalent Chromium in Catalysis for Olefin Polymerization.		
A. I. Perel'man and A. I. Antonova	718	729
A New Photometric Method for Determination of Vanadates. L. P. Senetskaya		
and M. M. Teplyakov	721	731
Available From Consultants Bureau		

CONTENTS (continued)

Zhurnal Analiticheskoy Khimii,		RUSS.
Vol XVI, No 6, 1961	PAGE	PAGE
Complex Forming Reactions Between Ferric Iron and Manufol. A. V. Pavlinova		
and N. M. Cherkasova	723	733
Determination of Rhenium in Coal. V. V. Kuznetsova	726	736
A Method for the Determination of Phosphorus in Phosphosilicoorganic Compounds.		
K. A. Andrianov, L. M. Khananashvili, and T. V. Vasil'eva	728	738
Amperometric Titration of Acetylene in N-Methylpyrrolidone and in Dimethylformamide		
with Silver Nitrate Solution, Ya. I. Tur'yan and V. F. Romanov	730	740
Determination of Phosgone in the Presence of Chlorine and Hydrogen Chloride,		
A. P. Terent'ev, M. M. Buzlanova, and		
S. I. Obtemperanskaya	733	743
CRITICISM AND BIBLIOGRAPHY		
A. I. Busey. The Use of Divalent Chromium Compounds in Analytical Chemistry.		
P. P. Shat'ko	735	745
Aleksandr Petrovich Terent'ev (On his 70th Birthday)	737	747
Index, Volume 16, Numbers 1-6	741	
Table of Contents, Volume 16, Numbers 1-6	744	

Available From Consultants Bureau

Zhurnal Eksperimental noy i Teoretichesk	oy Fizik	Ci p	ssian .
CONTENTS	Page	—	erence
Vol XLII, No. 2, 1962	, \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		. 1
Interaction of Medium-Energy (10-100 keV) Atomic Particles with Solids (En-			.
ergy Spectra of Secondary Ions)	215	42,	313
denum V. I. Veksler	222	42,	,325
Measurement of Electron Mobility According to the Variation of Plasma Resist-	007	40	220
Plasma Instability in a Toroidal Discharge Excited by a Traveling Electromagnetic Wave	225	42,	330
R. A. Demirkhanov, N. I. Leont'ev, I. A. Kosyi, and T. M. Filatova	231	42,	338
Energy and Angular Distributions of Protons from the Reaction Ca ⁴⁰ (γ, p) K ³⁹ at			
E _{γ max} = 22 MeV T. N. Dragnev and B. P. Konstantinov	236	42,	344
L. Ya. Graudynya, O. I. Kostochkin, K. A. Petrzhak, and A. V. Sorokina	240	42,	349
Investigation of the Angular Distributions of α Particles from the Li ⁷ (p, α) He ⁴ Reaction		,	
I. B. Teplov, I. S. Dmitriev, Ya. A. Teplova, and O. P. Shevchenko Investigation of the Dependence of the $\beta\gamma$ Correlation on the Electron Velocity in	243	42,	353
the β Decay of Co ⁶⁰ and Au ¹⁸⁰ V. M. Lobashov and V. A. Nazarenko	247	42,	358
Deviations of the P ³² β Spectrum from the Allowed Shape	252	42,	364
β - γ Correlation in β Decays of Mn ⁵⁶ and \mathbf{F}^{20}			
V, M. Lobashov and V. A. Nazarenko Magnetic Properties of the β-Modification of Uranium Hydride and Deuteride	257	42,	370
A. I. Karchevskii and E. M. Buryak	280	42.	375
Total Cross Section of the T + T Reaction in the 60 - 1140 keV Energy Range	J		. •
. A. M. Govorov, Li Ka-Yeng, G. M. Osetinskii, V. I. Salatskii, and I. V. Sizov Resonances of the Si ²⁹ (p, γ) P ³⁰ Reaction	266	42,	383
Yu. P. Antuf'ev, A. K. Val'ter, A. N. L'vov, E. G. Kopanets, and S. P. Tsytko	268	42,	386
Total Cross Section for Interaction Between Protons and 8.3-BeV Neutrons	000	, ,	
Inelastic Scattering of 6.6-MeV Protons on Ca ⁴⁰ and Mn ⁵⁵	272	42,	392
S. S. Vasil'ev, E. A. Romanovskii, and G. F. Timushev	274	42,	395
Effects of Helicoldal Magnetic Structure on the Magnetostriction of Dysprosium	279	, 42,-	403
New Short-Lived Isomers Nd ^{140m} , Pm ^{141m} , Eu ^{146m} , and Gd ^{158m}		- 5	
Investigation of Some Radioactive Nuclei in the Region of the Filled 1f _{V2} Shell	283	42,	408
K. A. Baskova, S. S. Vasil'ev, No Seng-Ch'ang, and L. Ya. Shavivalov	289	42.	. 416
Application of Similitude Relations to Ignition of a Gas Discharge in livilrogen	3 200	,	
A. S. Pokrovskaya-Soboleva and B. N. Klyarfel'd	297	-42,	427
Proton-Proton Elastic Scattering at 2.8 BeV	•	, ,	
S. A. Azimov, Do In Seb, L. F. Kirillova, E. M. Khabibullina, E. N. Tsyganov,	200	46	. 420
Production of Hyperons in Lead by K. Mesons with a Mean Energy of ~100 MeV	299	42,	430
D. V. Neagu, É. O. Okonov, N., I. Potrov, A. M. Rozanova, and V. A. Rusakov	303	42.	435
Experimental Investigation of µ Mesic Atom Processos in Gascous Hydrogen.		,	
V. P. Dzhelepov, P. F. Ermolov, E. A. Kushnirenko, V. I. Moskalev,	(•
and S. S. Gershtein	306	42,	439
Anisotropy of Absorption of Ultrasound in Superconductors	916	49	480
Macroscopic Mass Renormalization and Energy Losses of Charged Particles in a	315	42,	450
Medium V. N. Tsytovich	32 0	42,	.457
Investigation of the He ⁴ (γ, np) D ² Photonuclear Reaction	327		400
On the Theory of Transition Radiation	330	42, 42,	467 471
The Inclusion of Neutron-Proton Interaction in the Pair Correlation Model		,	
B. L. Birbrair	356	42,	479
(Contents continued on inside back cover)	•		

Available From American Institute of Physics Soviet Physics - JETP Vol XV, No 2

CONTENTS—continued		Rus	sian
Zhurnal Eksperimental noy i Teoreticheskoy Fiziki	Page	,	rence
Vol XLII, No 2, 1962		40	
Polarization of High-Energy Cosmic-Ray Muons V. S. Berezinskii Theory of Resonance Scattering by Atomic Systems. I. Derivation of General For-	340	42,	485
mulas	7 343	42,	489
stances L. L. Bulshvili and N. P. Glorgadze	350	42,	499
Effect of the Shape of Molecules on the Magnetic Relaxation Rate in Liquids	353	42,	503
Excitation of Collective Nuclear Levels in Heavy μ-Mexic Atoms	358	42,	511
Properties of the Solution of the Low Equation for a Model of a Local Field Theory	365	42.	:' ⊹ 520
On a Phenomenological Description of the Pion-Pion Interaction	369	42.	5 2 6
High-Energy Behavior of the Elastic Pion-Pion Scattering Amplitude	$r^{\prime\prime}$		
Some Features of Collective Energy Losses of Fast Electrons Moving in an Ani-	377	42.	538
sotropic Plasma	380	42,	, 543
Strong Magnetic Field			
A. I. Akhiezer, V. F. Aleksin, V. G. Bar'yakhtar, and S. V. Peletminskii Choice of Invariant Variables for the "Many-Point" Functions	386	42,	552
Invariant Formulation of the Theory of the Gravitational Wave Field	394	42,	565
Growth of Fluctuations in a Plasma with an Unstable Distribution Function	402	42,	577
I. A. Akhlezer	406	42,	584
Single-P rticle Levels in O ¹⁷ and F ¹⁷ Nuclei Under the Assumption of Strong Coupling of Nucleon and Tetrahedrally Symmetric Core		٠, .	••
Theory of Nuclear Resonance in Paramagnetic Media. II. Spin-Lattice Relaxation	411	42,	592
The Transition of Liquid He ³ Into the Superfluid State	415	42,	597
Determination of the Amplitudes of Betatron and Synchrotron Oscillations of Elec-	417	42,	600
trons by High-Speed Motion Picture Photography A. G. Ershov	422	42,	606
Certain Resonance Solutions of Low Energy Pion-Pion Scattering Equations V. V. Screbryakov and D. V. Shirkov	425	42.	610
Vertical Focusing in the Microtron	433	42,	62 2
On the Interference Between the Amplitudes of Inelastic Processes	435	42.	625
	130	1	020
LETTERS TO THE EDITOR			• ;
Further Search for the $\mu \rightarrow e + \gamma$ Decay	• •		
A. I. Alikhanov, A. I. Babaev, M. Ya. Balats, V. S. Kaftanov, L. G. Landsberg, V. A. Lyubimov, and Yu. V. Obukhov	420	49	630
Experimental Estimate of Probability of β Decay of the π^* Meson	438	42,	
Observation of Pick-Up of Three Neutrons and Stripping of Three Protons in Inter-	439	42,	632
actions Between N ¹⁴ and Ne ²⁶ Ions with C, Al, Cu, and Ta Nuclei V. V. Volkov, L. Pomorski, J. Tys. and G. N. Flerov	443	42,	635
Observation of the Mössbauer Effect in a Tin-Containing Polymer	•		
Width of Cyclotron Resonance Line in Semimetals and Determination of the Cor-	443	42,	637
relation Function for Bismuth M. Ya. Azbel' and G. A. liegiashvili The Collapse of a Small Mass in the General Theory of Relativity	445	42,	640
Ferroelectric Antiforromagnetics	446	42,	041
Electronic Activation of Mesic Atoms	447	42,	643
A. E. Ignatenko, M. G. Petrushku, and D. Chultem	449	42,	eio
Available From American Institute of Physics Soviet Physics - JETP Vol XV, No 2			
VOL XV, NO 2 . Alt .			

Zhurnal Neorganicheskoy Khimii, Vol I, No 1, 1956

TABLE OF CONTENTS

	Russian page	English page
ssiteri d	3	1
Chernyaev, I.I., Development of some trends in inorganic chemistry in the USSR	5	3
Sir. hukarev. S.A., T.A. Tolmacheva, M.A. Oranskaya, and t.V. Komandrovskaya. Thermal dissociation of platinum halides.		-
Communication 1. Platinum bromides Shehukarev, S.A., M.A. Oranskaya, and T.S. Shemyakina. Thermal dissociation of platinum halides. Communication 2.	8	7
Platinum chlorides	17	17
Lobance, N.I. Compounds of tetravalent chromium	24	25
Tananaev, N.A. Some anomalies of oxidation-reduction reactions Shehukarev, S.A., M.A. Oranskaya, T.A. Tolmacheva, and	27	29
A.K. Yakhkind. Saturation pressure of vanadium tetrachloride vapor	30	. 33
Chukhlanisev, V.G., and A.K. Sharova. Solubility product of uranyl assonates	36	39
Grinberg, A.A., and A.I. Dobroborskaya. Interaction of groups within the inner sphere of complex compounds Volshtein, L.M., and N.S. Velikanova. Complex compounds of	42	45
bivalent platinum with tyrosine Tananaev, I.V., and G.B. Seifer. Ferrocyanides of yttrium	48	52
and cerium and any, 1.V., and G.B. Seifer. Studies of mixed lithium and	53	58
cesium ferrocyanide Tananaev, I.V., M.A. Glushkova, and G.B. Seifer. The	64	70
solubility series of ferrocyanides Zvyagintsev, O.E., and B.N. Sudarikov. Complex salicylates	66・	72
of certain metals Voznesenskii, S.A., and N.A. Rodionov. Preparation and	69	75
properties of concentrated solutions of diamminecopper (1) acetate,		
diamminecopper (I) formate, and cuprous glycinate	76	83
Kupustinskii, A.F., Radii of eight-electron cations	82	90
Yatsimirskii, K.B. Specific properties of ions with thirteen electrons Urazov, G.G., and L.S. Efimenko. A physicochemical study of binary	96	104
systems, water-sodium sulfate and water-magnesium sulfate Kirkina, D.F., A.V. Novoselova, and Yu.P. Simanov.	100	108
Investigation of the system BaF2-BeF2 Palkin, A.F. and V.T. Redchenko. Reactions between salts and metals a the molten state. Interaction in the system PbCl2 + Mg ->	125	132
MgCl ₂ · Pt. Morozov, 1, S., and B.G. Korshunov. Thermal and tensimetric	133	139
study of the system NbCl ₅ - ZrCl ₄ - NaCl Vul't, 8, K., and M.N. Chernov. The effect of temary metallic	145	150
Some moders of A.K., A.G. Bergman, and D.S. Lesnykh. Complex contains and double decomposition in the resprecal system of	158	162
inallium and cadmium chlorides and sulfates Publication, V.V. Adsorption of radioactive isotopes on ferric	161	168
hydroxide Bag: *tso*, V.F. The interaction of half-calcined dolomite and	170	175
strontium ions in aqueous solutions	179	185

Full Translation by AEC-tr-4582 PL-480 (PST 571)

Zhurnal	Neorganichesk	oy Chimii
	No 8, 1961	

August 1961

	PAGE	CONTENTS
(1741)	889	Standard enthalpy of formation of lithium fluoride V. P. KOLESOV and S. M. SKURATOV
(1745)	891	Phase transformations of calcium and sodium sulphates and their double salts I. S. RASSONSKAYA and N. K. SEMENDYAEVA
(1754)	895	Immeration liquids for crystallographic measurements at temperatures down to -100°
		G. B. BOKII, G. G. TSURINOV. V. I. SOKOL. and V. Z. KOLODYAZHNYI
(1759)	897	Use of electronic computers to convert names of complex compounds into formulae A. L. SEIFER, V. S. SHTEIN, and S. S. SHCHUÑOVA
(1762)	899	Reactivity of amines in the inner sphere of quadrivalent platinum Yu. N. KUKUSHKIN
(1769)	903	Preparation of Alexander's base [tetrakishydroxylamineplatinum(II) hydroxide]. [Pt(NH ₂ OH) ₄](OH) ₂ , and Lossen's chloride [tetrakishydroxylamineplatinum(II)-chloride]. [Pt(NH ₂ OH) ₄]Cl ₂ A. I. STETSENKO
(1771)	904	Preparation of bromine-containing complexes of platinum: potassium tetru- bromoplatinate(II) G. A. SHAGISULTANOVA
(1774)	906	Hexa-acido nitrocarbonato-complexes of cobalt(III) V. A. GOLOVNYA and L. A. KOKH
(1781)	909	Complex compounds of tervalent cohait with dimethylglyoxime and thio- carbamates A. V. ABLOV and V. N. SHAFRANSKII
(1786)	912	The tranj effect of ligands in complex cobalt(III) compounds A. V. BABAEVA and I. B. BARANOVSKII
(1791)	915	Complex anions of nickel and nitriloriacetic acid S. Yu. ELOVICH and L. G. TONKONOG
(1795)	917	Ion exchange of complexes in mixed solvents S. Yu. ELOVICH and L. G. TONKONOG
(1801)	920	Reaction of cupric chloride with ammonia A. K. KIRAKOSYAN
(1808)	923	Reaction of streenium exide chibride with sulphuric acid and with ammonium, sodium. Iron. and aluminium sulphates A. K. KIRAKOSYAN and I. V. TANANAEV
(1813)	926	Neptunium(V) complexes with citric and tartaric acids A. I. Moskvin. I. N. MAROV, and Yu. A. ZOLOTOV
(1821)	929	Kinetics of cathodic and anodic polarisation in solutions of UOF in sulphurio sold Ya. P. GOKHSHTEIN and KAO TS'AI-SHÊNG
(1831)	935	Solubility in the $\ln_2(SO_q)_2$ — Co_2SO_q — H_2O system at 30° E. N. DEICHMAN
(1837)	930	Spectrophotometric investigation of carbonato-complexes of the rare-earth elements N. S. POLUEKTOV and L. I. KONONENKO
(1843)	941	Catechol complexes of titanium 8. Ya. SHNAIDERMAN and 1. E. KALINICHENKO
(1850)	944	Use of catalytic polarographic currents to investigate complex formation of molybdenum(VI) with acids K. B. YATSIMIRSKII and L. I. BUDARIN
(1856)	947	Second dissociation constant of Tuorophosphoric acid I. G. RYSS and V. B. TUL'CHINSKII
(1961)	961	The additivity method and the cation effect series F. Ya. KUL'BA, V. E. MIRONOV, and L. B. KHVOSTOVA
(1966)	962	Complex formation of lead(II) with sodium bromids F. Ye. KUL'BA, V. E. MIRONOV, G. S. TRUITSKAYA, and N. G. MAKSIMOVA
(1966)	964	The reaction of patasetum fluoroxircenste with sodium hydroxide and ammenta in squeous solutions 1. A. SHEKA and A. A. LASTOCHKINA
(1075)	964	Reaction of 2'-hydroxynaphth-1'-yi-2-methyleneaminopyridine with bivaleut
		eations 8.1. GUSEV, V.1. KUMOV. E. V. SOKOLOVA. and A.S. PESIS

THE PAGE HUMBERS IN BRACKETS REFER TO THE

Available From Cleaver-Hume Press Ltd

CONTENTS (Conta)

Zhurnal Neorganicheskoy Khimii

No	8,	1901

CONTENTS (Contd)			No 8, 1901
(001,012)	(1861)	961	Reaction of thiourea and selement on complexes of bismuth with picrolonic ampieric acids 8. I. GUSEV and L. A. KETOVA
	(1886)	P83	The co-precipitation of Ti* and PdS A. A. RUDNEV and G. I. MALOFEEVA
	(1891)	966	Order-disorder transformation in cobalt-iron-palladium alloys A.T. GRIGOR'EV and V.V. KUPRINA
	(1902)	970	Mutual solubility of mercury and gallium S. P. YATSENKO and E. P. DRUЖHININA
	(1905)	972	Fusion diagram of the nioblum stanium-streenium system V. S. MIKHEEV and O. K. BELOUSOV
	(1909)	974	Reaction of samarium ions with chylenediaminetetra-acetic acid 1. V. TANANAEV and G. V. SHEVCHENKO
	(1914)	977	Behaviour of phosphorus oxide chloride with phosphorus, antimony, and bismuth chlorides B. A. VOITOVICH
	(1919)	980	Isotherms of solubility, specific gravity, and viscosity for the ZnSO ₄ -CO(NH ₂) ₂ -H ₂ O system at 30° N. DUISHENALIEVA, K. SULAIMANKULOV, and I. G. DRUZHININ
	(1922)	961	Solubility isotherm in the gallium(III) oxide-sulphur trioxide-water system 20°
			S. P. YATSENKO
	(1926)	962	Complex formation in the AlBr $_3$ -C $_8$ H $_8$ N-C $_6$ H $_8$ NO $_2$ system E.Ya. GORENBEIN and A.G. PONOMARENKO
	(1930)	984	Complex formation in systems containing rare-earth nitrates and tri- or di-butyl phosphate Z. A. SHEKA and E. E. KRISS
	(1936)	988	Extraction of nitric acid with triheptylamine O. I. ZAKHAROV-NARTSISSOV and A. V. OCHKIN
	(1940)	990	Distribution of hydrogen halides and arsonic(III) halides in water-organic solvent systems F. G. ZHAROVSKII and V. A. LITVINENKO
	(1944)	*93	Co-extraction of trace elements in the extraction of chlorides with oxygen-containing organic solvents L.I. MOSEEV and A. G. KARABASH
Brief Communications	(1961)	996	Thermographic measurement of suturated vapour pressure of difficultly volattle substances G.1. NOVIKOV and O. G. POLYACHENOK
	(1952)	997	Synthesis of hydrogen peroxide from the elements in the ellent discharge I.I. VOL'NOV and A. N. MOLODKINA
	(1965)	999	Equilibria in the lithium sulphate-magnesium sulphate-water and rubidium sulphate-magnesium sulphate-water systems at 35° V. G. SHEVCHUK
	(1968)	1000	Reaction of lead monoxide with caustic sods E. I. SPERANSKAYA
	(1900)	1002	Equilibrium diagram of the chromium-ruthonium system E. M. SAVITSKII, V. F. TEREKIIIVA, and N. A. BIRUN
	(1963)	1003	Equilibrium diagram of the siuminium-rhenium system E. M. SAVITSKII. M. A. TYLKINA. and K. B. POVAROVA
	(1945)	1005	Reduction of sinc selectic by hydrogen 1. V. KORNEEVA and A. V. NOVUNELOVA
	(1967)	1006	Solubility in the LIC1-NaCl-MgCl ₂ -HgO system at 28° and 78° I. N. LEPERIKOV and N. N. ROMASHOVA
	(1971)	1007	Reaction of aluminium with moltre ladium chloride A. P. PALKIN, T. A. MARRIAKOVA, and A. B. VIMOKUROVA
	(1973)	1000	Determination of the saturated vayour pressure of galitum outdo S. A. SHCHUKAREV, G. A. SEMENOV, and L. A. KAT'ROVEKE
	(1974)	1000	Determination of the solubility of beryillum carbids in moltan copper— beryillum alloy F. St. MURATOV and A. V. NOVOSELOVA
	(1976)	1011	Rability of the \$\beta\$-solid solution of Hanlom-chromium alloys N. V. AGEEV, O. G. KARPINSKII, and L. A. PETROVA
	(1976)	1012	Extraction of hydrogen disymmetrie(f) with tel-n-outylamine (TOA) O. E. ZYYAGINTSEY, O. I. ZAKHAROV-NARTHINOV, and A. V. OCHIQH

Available From Cleaver-Hume Press Ltd

Russian Journal of Inorganic Chemistry

Zhurnal Neorganicheskoy Khimii No 9, 1961

CONTENTS

		. •
(1981)	PAGE 1015	Nikolai Konstantinovich Pshenitsyn (Obit-tary)
(1990)	1019	A new method of preparing lower chlorides of tungsten G.I. NOVIKOV, N.V. ANDREEVA, and O. G. POLYACHENOK
(1994)	1021	Sulphides and oxide sulphides of molybdonum and tungsten A. Ya. ZVORYKIN, F. M. PEREL'MAN, and V. V. TARASOV
(1999)	1023	Thio-salts of molybdenum and tungsten F. M. PEREL'MAN, A. Ya. ZVORYKIN, V. V. TARASOV, and G. A. DEMINA
(2003)	1025	Proposition and thermal dissociation of ferrous carbonate L. G. BERG and K. A. BUZDOV
(2009)	1028	Preparation, composition, and properties of cadmium oxide sulphate A. N. KETOV, V. V. PECHKOVSKII, N. P. STARKOV, and B. N. VARSKOI
(2014)	1031	Determination of the saturated vapour pressure of solid tin selenide and telluride Ya. M. NESTEROVA, A. S. PASHINKIN, and A. V. NOVOSELOVA
(2019)	1033	Influence of cis-trans isomerism of the sinetics of the displacement of complexed chlorine in solutions of some tervalent cobalt complexes V. D. PANASYUK, V. P. SOLOMKO, and L. G. REITER
(2025)	1036	Heats of sublimation of beryllium oxide salts K.N.SEMENENKO, G.M.KURDYUMOV. and I.V. GORDEEV
(2029)	1038	Kinetics of the reaction of platinum (iV) tetrammines with ammonia and pyridine O.E. ZVYAGINTSEV and E. F. SIJUBOCHKINA
(2038)	1042	Complex compounds of cobalt(III) with thiosemicarbazide F.M. SAMUS' and A.V. ABLOV
(2043)	1044	Stabilify of pyridine-copper complexes in various solvents A.V. ABLOV and L.V. NAZAROVA
(2048)	1047	Solubility products of coordination compounds of copper, nickel, and uranium with derivatives of 8-hydroxyquinoline E.P.TRAILINA, V.V.ZELENTSOV, I.A. SAVICH, and VIKT.I. SPITSYN
(2052)	1049	Oxalatosulphatothiocyanate compounds of ranyl [oxothiocyanatosulphato-oxalatouranates] V. P. MARKOV and T. V. SERGEEVA
(2059)	1052	Complexes of uranyl with 1,10-phenanthroline and 2,2'-bipyridyl V.P. MARKOV and V.V. TSAPKIN
(2062)	1054	Extraction study of complex-formation to tween p-bromomandelic acid and zirconium and hafnium I. P. ALIMARIN and SHEN HAN-HSI
(2069)	1057	Spectrophotometric study of complex formation by rare earths with nitrilotriacetic acid K. V. ASTAKHOV, V. B. VERENIKIN, V. I. ZIMIN, and A. D. ZVER'KOVA
(2077)	1062	Spectrophotometric study of complex formation by neodymium with bis(acetylacetone)ethylenediimine [AN'-cthylenebis-(1-acetonylethylideneimine)] K.V.ASTAKHOV, V.B.VERENIKIN, and V.I.ZIMIN

Available From Cleaver + Hume Press Ltd.

CONTENTS (Contd)

Zhurnal Neorganicheskoy Khimii No 9, 1961

		10 7, 1701
(2082)	1064	Study of complex-formation below in hamium and acetylacetone in solutions by the extraction method V. M.PESHKOVA and PENG ANG
(2086)	1066	Complexes of mercury and silver with diethylthiophosphates [diethyl phosphorothionates] V. F. TOROPOVA, M. K. SAIKINA, and N. K. LUTSKAYA
(2091)	1068	The molybdotitanophosphate complex A. K. BABKO and Yu. F. SHKARAVSKII
(2098)	1073	The influence of solvents on the stability of the compounds of phosphoryl(V) chloride with the chlorides of aiuminium, iron, niobium, tantalum, and antimon B. A. VOITOVICH and A. S. BARABANOVA
(2103)	1075	Aluminium-rich alloys in the Al-Ce-Cu system E.I.GLADYSHEVSKII, I.F.KOLCBNEV, and O.S.ZARECHNYUK
(2109)	1078	Transformations undergone by silicon dioxide during the thermal reactions of synthetic kaolinite A. M. KALININA
(2120)	1083	Binary systems formed by alkali metal nitrates K. A. BOL'SHAKOV, B. I. POKROVSKII, and V. E. PLYUSHCHEV
(2126)	1086	Oxidation of iron in melts containing sodium halides and carbonates V. P. KOCHERGIN and N. I. IGNAT'EVA
(2132)	1089	Lithium and potassium chromates and tungstates reciprocal system A. I. KISLOVA and A. G. BERGMAN
(2136)	1091	The barium, calcium, and magnesium fluorides ternary system V.T.BEREZHNAYA and G.A.BUKHALOVA
(2139)	1092	Fusion in binary systems of enceium and sodium halides R. G. SAMUSEVA and V. E. PLYUSHCHEV
(2142)	1094	The chloride, bromide, indide ternary systems of cadmium and of lead L.I.IL!YASOV and A.G.BERGMAN
(2148)	1097	Thermal analysis of the K_2BeF_4 - KF - LaF_3 system HU CH'IH-TSU and A. V. NOVOSELOVA
(2158)	1102	Preakdown of the equilibrium diagram for the A, B, C, D X, Y, Z, T septenary 16-salt reciprocal system of type 16C E. A. ALEKSEEVA and N. S. DOMBROVSKAYA
(2163)	1104	Formation of cerium hydroxide N. N. MIRONOV and N. P. CHERNYAEV
(2173)	1109	The formation of lanthanum hydroxide N. N. MIRONOV and N. P. CHERNYAEV
(2180)	1113	The reaction between indium and rubidium sulphates in aqueous solution. E. N. DEICHMAN and G. V. RODICHEVA
(2187)	1116	Spectrophotometric study of the reaction of rubidium and potassium chlorides with iodine bromide in solution B. D. STEPIN and V. E. PLYUSHCHEV
(2197)	1121	The solubility of schönite type saits in mixtures of water and non-aqueous solvents Yu. D. TRET'YAKOV
(2203)	1134	Solubility isotherm for the Fe. Mn. $Cu(NH_4)_2 \parallel SO_4 - H_2O$ system at 40° Yu. D. TRET'YAKOV and L. K. SIMAKOVA
(2210)	1128	The extraction of the dithizone complex of bismuth A.I. BUSEV and L. A. BAZHANOVA
(2216)	1131	Electrolytic reduction of acidonitrosyl compounds of ruthenium O. E. ZVYAGINTSEV and A. KURBANOV

Brief Communications

Vol. 31, No. 10

October, 1961

CONTENTS

Zhurnal Obshchey Khimii,	PAGE	RUSS. Page
The XXII Congress of the Communist Party of the Soviet Union	2937	3149
and I. K. Shelomov	2941	31 53
skaya	2948	3160
M. M. Aleksankin and I. P. Gragerov The Activation Energy of the Reaction of Chain Growth During the O idation of Isotropyl-	2954	3167
benzene and 1,1-Diphenylethane, S. D. Kaz'niin and R. V. Kucher The Transesterification of Thiolphosphinites and Thiolphosphonates by Alcohols.	2958	3171
K. A. Petrov, E. E. Nifant'ev, and R. G. Gol'tsova The Synthesis of Some Organochlorosilanes. Z. V. Belyakova and S. A.	2962	3174
Reactions of Halometalalcoholates X. A New Method of Synthesizing Monohydroxy-	2966	3178
triarylmethanes. I. I. Lapkin and M. I. Belanovich	2970	3182
I. E. Sosnina, and T. P. Yudkina	2974	3187
L. N. Yakhontov, D. M. Krasnokutskaya, and M. V. Rubtsov Some Properties of Enol Acetates VIII. The Bromination of Enol Acetates of Cyclopenta- none and Cycloheptanone by Means of N-Bromosuccinimide. V. A. Barkhash,	2977	3190
G. P. Smirnova, and I. V. Machinskaya	2983	3197
V. S. Usovskaya, and M. V. Rubtsov	2988	3202
zation of Acetylene Derivatives. I. L. Kotlyarevskii and A. S. Zanina. The Chemistry of Unsaturated Ethers VI. The Condensation of Acctals with 1-Alkoxydienes.	2991	3206
S. M. Makin and I. N. Rozhkov	2998	3214
'Acetaldehyde, R. E. Keller and E. K. Prudnichenko	3004	3220
A. S. Lavrova	3006	3222
G. G. Skvortsova. M. Ya. Samoilova, and Yu. M. Faershtein	3010	3226

Available From Consultants Bureau

Zhurnal Obshchey Khimii, Vol XXXI, No 10, 1961	PAGE	RUSS. PAGE
Organosilicon Compounds with Hydrocarbon Bridges Between Silicon Atoms IV. The Pyrolysis		
of α, ω-Disilalkanes. A. D. Petrov, V. M. Vdovin, G. Golubva, and		
K. S. Pushchevaya	3014	3230
Fermentative Synthesis of Optically Active Peptides from Racemic Aminoacids. II.		
M. M. Botvinik, V. I. Ostoslavskaya, L. I. Ivanov, and G. K.		
Gorshenina	3019	3234
Synthesis of P-N Aminoacid (Peptide) Derivatives of Adenylic Acid and Investigation of their		
Properties. L. G. Andronova, Z. A. Shabarova, T. S. Ryabova, and	0000	0040
M. A. Prokof'ev	3026	324 3
and V. Ya. Vorob'eva	3033	3251
Some Derivatives of 5-Nitro- and 5-Amino-3-Indazolecarboxylic Acid. N. V. Savit'-	0000	0201
skaya, E. S. Tarasevich, and M. N. Shchukina	3037	3255
Imidazole Series XI. Synthesis of (2-Imidazolylthio) Acetic Acids. P. M. Kochergin	3039	3257
Imidazole Series XII. Synthesis of Esters and Hydrazides of (2-Imidazolylthio) Acetic Acids.		
P. M. Kochergin	3043	3262
Imidazole Series XIII. Reaction of Acetic Anhydride with (2-Imidazoly)thio) Acetic Acid		
and Their Esters. F. M. Kochergin	3048	3267
Preparation of the Nitrile and Amide of Nicotinic Acid. E. S. Zhdanovich, I. B. Chekmareva, and N. A. Preobrazhenskii	2052	3272
2-Cyclopropyl- and 2-Propenyl-Furan and -Thiophene, Yu. K. Yur'cv and	3053	3212
D. Ekkhardt	3055	3274
Furan Series XVIII. 2,6-Bis(N-Alkylazomethine)- and 2,5-Bis(N-Arylazomethine)-Furans.		
K. Yu. Novitskii, V. P. Volkov, L. P. Shaiderova, and		
Yu. K. Yur'ev	3058	3277
Derivatives of 7-Azaindole II. Synthesis of 1-Substituted Derivatives of 4-Methyl-7-Azaindo-		
line when 2-Chloro-3-(8-Chloroethyl)-4-Methylpyridine is Reacted with Secondary		
Amines, L. N. Yakhontov and M. V. Rubtsov	3062 3068	3281 3288
B-Amino Acids of the Thianaphthene Series, V. P. Mamac v and O. P. Shkurko Cycloserine and Related Compounds XIV. 4-Amino-3-Pyrazolidone (Azacycloserine).	9000	3200
N. K. Kochetkov, E. I. Budovskii, and Chang Chih-p'ing	3072	32 92
Stereochemical Investigations on Levomycetin Derivatives (Chloroamphenicols) I. Hydrolysis		
of Nitroesters of Threo- and Erythro-1-(p-Nitrophenyl)-2-Acylamino-1,3-propanediols,		
M. P. Kerop'yan and A. S. Elina	3077	3298
Monosaccharides 1. A New Synthesis of D-Quinovose and D-Fucose, N. K. Kochetkov,		
L. I. Kudryashov, A. I. Usov, and B. A. Dmitriev	3081	3303
Investigation of the Reaction of Benzene with Phenyl Derivatives of Elements of the Fourth		
Group of the Periodic System and the Determination of the Composition of Their Molecular Compounds by the Method of Labeled Atoms, L. M. Nazarova,		
E. N. Kharlamova, G. E. Aleksandrova, and É. B. El'tekova	3085	3308
The Action of Triisobutylaluminum on Cyclohexanone. L. I. Zakharkin, L. P.	3400	4444
Sorokina, and I. M. Khorlina	3088	3311
Some Unsymmetrical Derivatives of Alkylphosphinic Acids, E. L. Gefter	3093	3316
The Chemistry of Unsaturated Ethers VII. Addition of the Acetal of 8-CH-Aldehyde to		
1-Ethoxy-2-Methyl-1,3-Butadiene. A New Synthesis of B-C19-Aldehyde.		
S. M. Makin and I. N. Rozhkov	3096	3319
Configuration and Properties of Unsaturated Acids and Their Derivatives XIV. Properties of	2420	0004
Esters of Cis- and Trans-Petroselinic Acids, A. K. Plisov and A. V. Bogatskii. Synthesis and Certain Reactions of Nitriles of N.N-Di(2-Chioroethyl)Aminophenylalkanoic	3100	3324
Acids. Yu. Degutis and D. Shukelene	3103	3326
	3233	42=+

Zhurnal Obshchey Khimii, Vol XXXI, No 10, 1961	PAGE	RUSS. PAGE
Study of the Mechanism of Isomerization of Naphthalenemonosulfonic Acids by the Tagged-		
Atom Method, N. N. Vorozhtsov jr., V. A. Koptyug, and		
A. M. Komagorov	3106	3330
Steric Hindrance and Reactivity of Organic Compounds II. B-Naphthalenesulfonic Acid as a		
Catalyst for Isomerization of Compounds with Steric Hindrance. V. A. Koptyug,		
T. N. Gerasimova, and N. N. Vorozhtsov jr	3115	3341
Stereochemical Investigations XII. Tautomerism of the Condensation Product of (-)-a-		
Phenylethylamine and Acetoacetic Ester, V. M. Potapov, F. A. Trofimov,		
and A. P. Terent'ev	3118	3344
Investigation of the Hydrogen Bond in Cholinolytic Substances by Means of Infrared Absorption		
Spectra, II, S, G, Kuznetsov	3126	3353
Rate of Acetylation of Some Cholinolytic Substances Containing a Hydroxyl Group.		0000
S. G. Kuznetsov and E. V. Roginskaya	3132	3360
Molecular Association of Cholinolytic Substances, I, S. G. Kuznetsov and	040#	2200
L. V. Fedorova	3137	3366
Molecular Association of Cholinolytic Substances, II, S. G. Kuznetsov and	3139	3368
L. V. Fedorova	3135	3308
Naphtholearboxylic and 1- and 2-Naphthoic Acids. N. M. Prizhiyalgovskaya, G. T. Mondodoev, and V. N. Belov	3145	3375
Synthesis of Di(Methylindenyl)Iron. E. B. Sokolova, M. P. Shebanova, and	0140	0010
V. D. Sheludyakov	3149	3379
C-Acylation of Heterocyclic Keto Enols VI. Cyclization of Phenylhydrazones of 3-Acyl-4-	02.0	00.0
Hydroxycoumarins. N. S. Vul'fson and R. B. Zhurin	3151	3381
Ratio of Isomeric Azoxy Compounds Formed by Oxidation of 0,0'-Disubstituted Azo Compounds		
V. M. Dziomko and K. A. Dunaevskaya	3155	3385
2-Methyloxazolo-(5,4-g)-Benzthiazole and Dyes from it. S. G. Fridman and		
D. K. Golub'	3162	3394
Reactions of Aromatic Nitro Compounds XII. New Method of Preparing Alkyl Ethers of		
2,4-Dinitrothiophenol, S. S. Gitis and Zh. P. Piskunova	3168	3400
Synthesis of Some New Azines, L. Ya. Malkes and L. V. Shubina	3170	3402
Reaction of Purine Derivatives with Phosphorous Esters. B. P. Lugovkin	3174	3406
Synthesis of Esters of a-Hydroxyphosphonobarbituric Acid. B. P. Lugovkin	3176	3408
Reaction of Hexamethyldisilazane with Aluminum and Titanium Halides Method of		
Synthesizing Trialkylhalosilanes. K. A. Andrianov, V. V. Astakhin,		
D. A. Kochkin, and I. V. Sukhanova	3178	3410
Reactions of Phosphines II. Reactions of Primary Aromatic Phosphines with Aldehydes and		
Ketones, K. A. Petrov, V. A. Parshina, and V. A. Gaidamak	3180	3411
2,4,5-Trichlorophenyl Esters of Methylthiophosphinic and Methylphosphinic Acids.		
K. A. Petrov, V. P. Evdakov, L. N. Sergodva, and		
V. A. Ledovskikh	3183	3414
Reactions of Phosphines III. Reactions of Secondar: Phosphines with Aldehydes and Ketones.	0104	2417
K. A. Petrov and V. A. Parshina	3186	3417
Reactions of Phosphines IV. Properties of Methylolphosphonium Chlorides and Methylol-	3189	3421
phosphines, K. A. Petrov and V. A. Parshina	310%	O-1-04
Alkyl Esters of N-Dialkoxy- and N-Diaroxyphosphinyliminocarboxylic Acids. G. I. Derkach, A. M. Lepesa, and A. V. Kirsanov	3192	3424
Bistricthylenetriamidophosphaso Derivatives of Dibasic Acids and Diethylenediamides of Bis-	V400	~~~
N-Diethylenediamidophosphinyliminocarboxylic Acids, L. D. Protsenko,		
G. I. Derkach, and A. V. Kirsanov	3200	3433
ŧ		
Available From Consultants Bureau		

Vol XXXI, No 10, 1961	PAGE	RUSS. Page
Reactions of Hydroxymethylphosphinic Esters with Dimethylthiocarbamyl Chloride and Aryl		
Isothiocyanates. V. V. Alekseev and M. S. Malinovskii	3203	3437
Syntheses with Free Hydroxyl Radicals II. Reactions of Aliphatic Esters with Hydroxyl Radicals.		
G. A. Razuvaev and L. S. Boguslavskaya	3206	3440
Investigations in the Anthraquinone Series XXXIII. Reaction of Anthraquinonesulfonic Acids		
with Basic Dyes. V. V. Kozlov and Yu. A. Kolesnik	3213	3448
Chemical Investigation of Schizandra Chinensis I. Schizandrin and Related Compounds.	* ***	
N. K. Kochetkov, A. Ya. Khorlin, and O. S. Chizhov	3218	3454
Pyrrolizidine Alkaloids II. Stereospecific Synthesis of D.L. Isoretronecanol.		
N. K. Kochetkov, A. M. Likhosherstov, and A. S. Lebedeva	3 22 5	3461
Derivatives of 1-Azabicyclo-(3,2,1)-Octane Analogous to Quinine Alkaloids.		
A. K. Chizhov	3239	3469
LETTERS TO THE EDITOR		
New Synthesis of 5,6-Disubstituted Pyridines. N. P. Shusherina, R. Ya. Levina,		
and Khuan Khua-min'	3239	3477
Triterpenes from the Bark of Quercus Petraea Liebl. A. A. Ryabinin and		
V. F. Lopunova	3240	3478
Reaction of Dicyclopropyl Ketone with Alkylmagnesium Bromides and Synthesis of		
1,1-Dicyclopropyl-1,3-Butadiene, I. A. D'yakonov, S. Kh. Begidov, and		
T. V. Domareva	3241	3479
Bromination and Acylation of Phenylcyclopropane, R, Ya, Levina and		
P. A. Gembitskii	3242	3480
Some New Derivatives of Cyclic 8-Diketones. N. A. Domnin and		
N. S. Glebovskaya	3244	3481
DISCUSSION		
Comments on the Article of Breslow and Chipman "Synthesis of Cyclopropene Derivatives by		
D'Yakonov's Method." I. A. D'yakonov and M. I. Komendantov	3246	3483
Reply to E. F. Zhuravlev, I. L. Krupatkin	3248	3485
Obituary of Academician R. Lukes. K. Blaha and M. Ferles	3250	3487
ERRATA. Volume 31. Number 7-8, 1961	3252	

Available From Consultants Bureau

JOURNAL OF GENERAL CHEMISTRY OF THE USSR

Zhurnal Obshchey Khimii

Volume 31, Number 11

November, 1961

CONTENTS

Usanovich, A. K. Nurma kova and T. N. Sumarakova 3257 Hysteocla mical Investigation of the System Acetic Acid-Piperidine, A. S. Naumova 3264 The Magnetic Susceptibility of Binary Liquid Systems, O. E. Kashireninov, O. A. Osipov, M. A. Panina and V. N. Marchenko 3268 S504 Investigations in the Field of the Chemistry of Allene Compounds, IV. The Direction of Bromination and Hydrobromination of Unsymmetrical Allene Hydrocarbons, A. V. Fedorova and A. A. Petrov 3273 S515 Investigations in the Field of Conjugated Systems, CXLIV. Dipole Moments, Structure, and Reactivity of Some Enyme Hydrocarbons and Silicohydrocarbons, A. A. Petrov, K. S. Min galeva, M. D. Stadnichuk, and I. A. Maretina 3283 Investigations in the Field of Conjugated Systems, CXLIX. Synthesis and Properties of Homologs of AllyVinylacetylene, A. A. Petrov, Yu. I. Porfir'eva, K. S. Min galeva, and N. I. Svetlova 3266 Investigations in the Field of Conjugated Systems, CXLIX. Synthesis and Properties of Homologs of AllyVinylacetylene, A. A. Petrov, Yu. I. Porfir'eva, K. S. Min galeva, and N. I. Svetlova 3286 Investigations in the Furan Series, XIX, Reaction of 2-Alkenylfuranes with α, β-Unsaturated Ketones, Yu. K. Yur'ev, N. S. Zeffrov, and V. M. Gurevich 3292 S531 Chemistry of Selenophene, XXXIV, Reduction of the Ketones of the Selenophene Series, Yu. K. Yur'ev and N. K. Sadovaya 3296 Synthesis of Heterocyclic Analogs of Stilbene, Yu. K. Yur'ev and D. Ekkhardt 3298 Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series, V. Synthesis of α,σ-Diphenyl-β-2,6-Dinitrophenylhydrazyl and α,σ-Diphenyl-β-2,4-Dinitrophenylhydrazyl and the Study of Their Chemical and Physical Properties. R. O. Matevosyan, M. A. Ikrina, and A. K. Chirkov 3301 Amino Derivatives and Methacrysimides from Acetals of Xyltiol and Xyltian, A. N. Anikeeva, T. I. Orlova, and S. N. Danilov 367 Some Eters of Phenylthioartinous Acids, Gil'm Kamai and N. A. Chadaeva 3315 Some Eters of Phenylthioartinous Acids, Gil'm Kamai and N. A. Chadaeva 3315	Complexing Reactions of Antimony Pentachloride, I. Carboxylic Acids. M. I.	PAGE	RUSS. PAGE
The Magnetic Susceptibility of Binary Liquid Systems, O. E. Kashireninov, O. A. Osipov, M. A. Panina and V. N. Marchenko	Usanovich, A. K. Nurmakova and T. N. Sumarakova	3257	3493
Investigations in the Field of the Chemistry of Allene Compounds, IV. The Direction of Bromination and Hydrorboromination of Unsymmetrical Allene Hydrocarbons, A. V. Fedorova and A. A. Petrov	Naumova	3264	3501
Mass Spectra and the Structure Organic Compounds, VI. Mass Spectra of Alkenyl Vinylactylenes, A. A. Polyakova and A. A. Petrov	Investigations in the Field of the Chemistry of Allene Compounds. IV. The Direction of	3268	3504
Investigations in the Field of Conjugated Systems. CXLIV. Dipole Moments, Structure, and Reactivity of Some Enyne Hydrocarbons and Silicohydrocarbons. A. A. Petrov. K. S. Mingaleva, M. D. Stadnichuk, and I. A. Maretina. 3283 3521 investigations in the Field of Conjugated Systems. CXLIX. Synthesis and Properties of Homologs of Allylvinylacetylene, A. A. Petrov, Yu. I. Porfir'eva, K. S. Mingaleva, and N. I. Svetlova. 3286 3525 investigations in the Firan Series. XIX. Reaction of 2-Alkenylfuranes with α, β-Unsaturated Ketones, Yu. K. Yur'ev, N. S. Zefirov, and V. M. Gurevich. 3292 3531 Chemistry of Selenophene. XXXIV. Reduction of the Ketones of the Selenophene Series, Yu. K. Yur'ev and N. K. Sadovaya 3296 3535 Synthesis of Heterocyclic Analogs of Stilbene. Yu. K. Yur'ev and D. Ēkkhardt. 3298 3536 Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series, V. Synthesis of α,α-Diphenyl-β-2,6-Dinitrophenylhydrazyl and α,α-Diphenyl-β-2,4-Dinitrophenylhydrazyl and the Study. Their Chemical and Physical Properties. R. O. Matevosyan, M. A. Ikrina, and A. K. Chirkov. 3301 3539 Amino Derivatives and Methacryiamides from Acetals of Xylitol and Xylitan. A. N. Anikeeva, T. I. Orlova, and S. N. Danilov. 3306 3544 Reaction of Carbon Tetrachleride with Allyl Esters of p-Chlorophenyl-, p-Isopropyl-phenyl-, and α-Naphthylphosphinous Acids. Gil'm Kamai, F. M. Kharrasova, R. B. Sultanova, and S. Yu. Tukhvatullina. 3311 3550 Some Esters of Phenylthioarsinous Acids. Gil'm Kamai and N. A. Chadeeva. 3315 3554 Studies of Glycol Ethers and Their Derivatives, XXXVII, Synthesis of Alkyl β-Chloroethyl and Alkyl β-Alkoxyethyl Ethers of Methylene Glycol, Shamkhal Mamedov and A. S. Rzaev. 3321 3561 Studies of Glycol Ethers and Their Derivatives, XXXVIII, Synthesis of Alkoxy Derivatives of Glycol Ethers and Their Derivatives, XXXVIII, Synthesis of Alkoxy Derivatives of Glycol Ethers and Their Derivatives, XXXVIII, Synthesis of Alkoxy Derivatives of Glycol Ethers and Their Derivatives, XXXVIII, Synthesis of Alkoxy Deri		3273	3510
investigations in the Field of Conjugated Systems, CXLIX, Synthesis and Properties of Homologs of Allylvinylacetylene, A. A. Petrov, Yu. I. Porfir'eva, K. S. Mingaleva, and N. I. Svetlova	lavestigations in the Field of Conjugated Systems, CXLIV. Dipole Moments, Structure,	3278	3515
Investigations in the Furan Series. XIX. Reaction of 2-Alkenylfuranes with α, β-Unsaturated Ketones, Yu. K. Yur'ev, N. S. Zefirov, and V. M. Gurevich	investigations in the Field of Conjugated Systems. CXLIX. Synthesis and Properties of	3283	3521
Gurevich	Investigations in the Furan Series. XIX. Reaction of 2-Alkenylfuranes with α , β -Un-	3286	3525
Yu. K. Yur'ev and N. K. Sadovaya		3292	3531
Synthesis of Heterocyclic Analogs of Stilbene, Yu. K. Yur'ev and D. Ékkhardt 3298 3536 Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series, V. Synthesis of α,α-Diphenyl-β-2,6-Dinitrophenylhydrazyl and α,α-Diphenyl-β-2,4- Dinitrophenylhydrazyl and the Study of Their Chemical and Physical Properties. R. O. Matevosyan, M. A. Ikrina, and A. K. Chirkov		3296	3535
Amino Derivatives and Methacrylamides from Acetals of Xylitol and Xylitan, A. N. Anikeeva, T. I. Orlova, and S. N. Danilov	Synthesis of Heterocyclic Analogs of Stilbene. Yu. K. Yur'ev and D. Ekkhardt Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series. V. Synthesis of α,α-Diphenyl-β-2,6-Dinitrophenylhydrazyl and α,α-Diphenyl-β-2,4- Dinitrophenylhydrazyl and the Study of Their Chemical and Physical Properties.		
Reaction of Carbon Tetrachleride with Allyst Esters of p-Chlorophenyl-, p-Isopropyl- phenyl-, and α-Naphthylphosphinous Acids. Gil'm Kamai, F. M. Kharrasova, R. B. Sultanova, and S. Yu. Tukhvatullina	Amino Derivatives and Methacrylamides from Acetals of Xylitol and Xylitan, A. N.		
Some Esters of Phenylthioarsinous Acids, Gil'm Kamai and N. A. Chadaeva	Reaction of Carbon Tetrachleride with Allryt Esters of p-Chlorophenyl-, p-Isopropyl-phenyl-, and α-Naphthylphosphinous Acids. Gil'm Kamai, F. M.	3306	3544
Studies of Glycol Ethers and Their Derivatives. XXXVI. Synthesis and Chemical Reactions of Methylene Glycol Ethers. Shamkhal Mamedov and M. A. Avanesyan 3317 Studies of Glycol Ethers and Their Lerivatives. XXXVII. Synthesis of Alkyl 8-Chloro- ethyl and Alkyl 8-Alkoxyethyl Ethers of Methylene Glycol. Shamkhal Mamedov and A. S. Rzaev	Kharrasova, R. B. Sultanova, and S. Yu. Tukhvatullina	3311	3550
Studies of Glycol Ethers and Their Lerivatives, XXXVII, Synthesis of Alkyl 8-Chloro- ethyl and Alkyl 8-Alkoxyethyl Ethers of Methylene Glycol, Shamkhal Mamedov and A. S. Rzaev		3315	3554
Studies of Glycol Ethers and Their Derivatives, XXXVIII, Synthesis of Alkoxy Derivatives of Glyceryl Methyl Ethers. Shamkhal Mamedov and M. A. Avanesyan 3326 3566	Studies of Glycol Ethers and Their Lerivatives, XXXVII, Synthesis of Alkyl 8-Chloro-	3317	3556
or or justiff attack. On a link was promoted and the tree of the contract of t	Studies of Glycol Ethers and Their Derivatives, XXXVIII. Synthesis of Alkoxy Derivatives		
		3326	3566

Zhurnal Obshchey Khimii, Vol XXXI, No 11, 1961	PAGE	RUSS.
The Synthesis of Geometrical Isomers of 1,2,5-Trimethyl-4-Hydroxy-4-Piperidylmethyl-aryl- and 1,2,5-Trimethyl-4-Hydroxyl-4-Piperidyldiaryl Carbinols. B. V.		
Unkovskii, I. A. Mokhir, and S. G. Batrakov	3330	3571
Mokhir Derivatives of a Vinylene Homolog of Benzotrifluoride. L. M. Yagupol'skii and	3336	3577
Yu. A. Fialkov	3343	3586
Chloroketones. I. F. Lutsenko and M. Kirilov Derivatives of Ethyleneimine. III. Diethyleneimides of Pyrimidylamidophosphoric Acids.	3350	3594
A. A. Kropacheva and N. V. Sagonov	3357	3601
Shvetsova-Shilovskaya	3361	3605
Yu. S. Abradushkin	3366	3610
Berezovskii and L. S. Tul'chinskaya	3371	3614
Kondrat'eva, L. F. Kudryavtseva, and S. I. Zav'yalov	3377	3621
S. G. Ershova, N. V. Mikhailova, and A. A. Vansheidt On the Absorption Spectra of Dimerocyanines, Derivatives of Imidazolidinone (4). I. The Absorption Spectra in the Visible Region. M. V. Deichmeister, N. S.	3382	3626
Spasokukotskii, Yu. Sh. Moshkovskii, and L. D. Zhilina	3387	3631
R. Yu. Stonitep-Anisidine as an Agent for Decyanoethylation, P. F. Butskus and N. V.	3393	3638
Raguotene	3395 3399	3639 3643
B. G. Yusufov	3403	3647
Guseinzade	3405	3649
and P. A. Moshkin	3408	3652
and Ya. L. Danyushevskii	3410	3654
Zakharkin and O. Yu. Okhlobystin	3417	3662

Zhurnal Obshchey Khimii, Vol XXXI, No 11, 1961	PAGE	RUSS. PAGE
Investigations in the Anthraquinone Series. XXXIV. Peculiarities of the Chlorination of Anthraquinone-8-Sulfonic Acid to 8-Chloroanthraquinone. V. V. Kozlov and		
A. A. Davydov	3420	3665
Formation of Fe Phthalocyanines. A. P. Rudenko and N. P. Dobrosel'skaya. Investigation in the Field of Alkane Sulfonic Acids. XXV. Halogenated Alkanesulfon-p-	3423	3667
Phenetidides. A. G. Kostova	3427	3671
aldehyde. Ya. P. Berkman and L. M. Shuter	3431	3675
Kirsanov	3434	3679
Phenyldichlorophosphazoaryls, I. N. Zhmurova and A. V. Kirsanov Investigations in the Alloxazine and Isoalloxazine Series. V. Catalysts for the Reaction of condary Aromatic Orthoaminoazo Compounds with Trihydroxypyrimidines. V. M. Berezovskii, L. S. Tul'chinskaya, T. A. Eremenko, E. P.	3440	3685
Rodionova, and M. A. Barskaya	3444	3689
Kondrat'eva, and L. F. Kudryavtseva	3449	3695
and A. N. Kost	3454	3700
of the Alkali Metals. N. N. Vorozhtsov, Jr., and G. G. Yakobson An Investigation of the Structure of Some Derivatives of 2-Mercaptobenzothiazole by the Dipole Moment Method. E. N. Gur'yanova, I. I. Eitingon, M. S.	3459	3705
Fel'dshtein, I. G. Chernomorskaya, and B. A. Dogadkin The Synthesis of Chelants in a Series of Azoxy Compounds. III. The Synthesis of (6"- Hydroxy-3"-methylphenylazoxy)-benzene-(2"-azo-1)-2-napthol. V. M. Dziomko	3462	3709
and K. A. Dunaevskaya	3466	3712
Overhinnikov, V. S. Murasheva, and F. Ya. Leibel man The Synthesis of Derivatives of Thiazolidone which have Biological Interest. XVI. The Influence of Substituents in the Thiazolidone Ring on the Ultra-Violet Absorption	3469	3715
Spectra. N. M. Turkevich and Yu. M. Pashkevich Orientation on Substitution in the Aromatic Series. IX. On the Equilibrium Between the	3472	3718
Isomers of Dichlorobenzene, Yu. G. Erykalov and A. A. Spryskov Carbon Suboxide and Some of Its Reactions, XI. Reaction of Carbon Suboxide with 2-	3475	3721
Aminothiazole and Its Derivatives. L. B. Dashkevich	€ : 7	3723
M. Z. Perety azh ko Thiosulfonic Acids, VII. Aryl Esters of Benzenethiosulfonic Acid and Its Derivatives. B. G.	3480	3726
Boldyrev and L. M. Khovalko	3483	3729
and Triphenyl-(p-bromophenoxy)silanes, G. V. Golodnikov and G. S. Afanas'eva	3489	3735

Zhurnel Obshchey Khimii, Vol XXXI, No 11, 1951	PAGE	RUSS. PAGE
Catalytic Transformations of Tetraalkylsilanes. IV. Catalytic Dehydrogenation of Trimethyl-		
ethylsilane. G. V. Golodníkov and G. N. Koroleva	3492	3738
A. V. Kirsanov	3495	3741
Derkach, E. S. Gubnitskaya, and A. V. Kirsanov	3500	3746
Mikailov and V. A. Dorskhov	3504	3750
Z. M. Manulkin	3510	3757
Razuvaev, N. S. Vyazankin, and O. A. Shchepetkova	3515	3762
The Chemical Synthesis of 2-Deoxy- α -D-Glucose 6-Phosphate. A. L. Remizov Studies in the Allo- and Isoalloxazine Series. VI. Studies of the Synthesis of Quinoxaline, a	3521	3769
Potential Precursor of Alloxazines. V. M. Berezovskii and A. M. Yurkevich.	3526	3775
The Preparation of Trans-Isolimonene. I. S. Kozhina and A. S. Danilova p-Di-(2)Chloroethyl)-Amino-di-Phenylalanine ("Sarcolysin") and its Derivatives. VII. Halogen Substitution in the Ring of Sarcolysin Derivatives. E. N. Shkodinskaya.	3531	3781
E. M. Kurdyukova, and A. Ya. Berlin	3537	2788
Moldaver and Z. V. Pushkareva	3541	3793
Preparation of 8-N-Guanyl-Gramicidin S. V. M. Stepanov and A. B. Silaev The Preparation of Phenyl Substituted Derivatives of Gramicidin S. V. M. Stepanov	3546	3799
and A. B. Silaev	3550	3804
Stepanov and A. B. Silaev	3556	3811
and L. M. Utkin	3560	3815
pabuloria Lindl, G. A. Kuznetsova	3563	3818
Krysin, and L. G. Makevnina	3565	3 820
Analogs of Alloxazine. V. M. Berezovskii and L. M. Mel'nikova Studies in the Allo- and Isoalloxazine Series. IV. New Synthesis of 2'-Desoxyriboflavin and Synthesis of Its 2-Thio Analog. V. M. Berezovskii and T. V.	3571	3827
Eremenko	3575	3831
Sclareol. D. P. Popa and G. V. Lazur'evskii LETTER TO THE EDITOR	3579	38 35
Peculiar Manifestation of the Ortho-Effect in the Thioindogenide Series. V. A. Izmail'skii and M. A. Mostoslavskii	3582	3839
DISCUSSION Concerning the Paper by Jolivet "Study of the Anhydride of 3,6-Endoöxy- \(\Delta^4\)-Tetra- hydrophthalic Acid". Yu. K. Yur'ev and N. S. Zefirov	4583	3846
Available From Consultants Eureau		

JOURNAL OF

STRUCTURAL CHEMISTRY

A translation of ZHURNAL STRUKTURNOI KHIMII.

a publication of the Academy of Sciences of the USSR

φ 1962 CONSULTANTS BUREAU ENTERPRISES, INC. 227 West 17th Street, New York 11, N. Y.

Volume 2, Number 6

November-December, 1961

	* 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		
CONTENTS		PA	G E
	randa Angeler (1997) Angeler (1997)	ENG.	RUSS.
Nikolai Vasil'evich Belov (on his 70th Birthday)		611	659
Potentiometric Study of the Structure of Hydrated Ions in Solutions. A. M. Go	lub		
and A. A. Baran		620	671
Changes of Structure in Aqueous Solutions of Nonelectrolistics. V. A. Mikhal	10v	625	677
Intermolecular Interaction in the System (C ₄ H ₉ O) ₂ PO-Hice ₃ -H ₂ O,			
M. F. Pushlenkov, E. V. Komarov, and M. E. Shurenkov	va	629	682
Computer Calculations on ESR Spectra. 1. Spectra with symmetrical Hyperfine			
Structure, Ya. S. Lebedev, D. M. Chernikova, and			
N. N. Tikhomirova		636	630
Investigation of Internal Motions in Polyisobutylene by the Method of Election	Carlotte Carlotte		
Paramagnetic Resonance, G. M. Zhidomirov, Cu. D. Tsvetkov	v, and		
Ya. S. Lebedev		640	696
Nuclear Quadrupole Resonance Spectrum of Hexachlorocomane. N. E. Ainbit	ider, "		
A. D. Gordeev, V. S. Grechishkin, Yu. G. Sverley, and	1	:	
G. B. Soifer		644	700
Phase Transition in the Gold-Platinum System. V. V. Sunadze and	•		
N. 1. Labartkava		617 .	703
X-Ray Structural Investigation of the Crystals of the Double Salt of	_		
Pentamminecopper Perchlorate and Ammonium Pentalorate, M. Bukov	tka 🔻 ,		
and M. A. Poral-Koshits		655	712
Steric Hindrances and Conformation of Molecules Communication 6, (c) year an	ıd		:
Molecular Structure of 4,4° Dichloroacenaphthem. F. L. Areyan an			
Yu. T. Struchkov		662	719
Internal Asymmetry in Complex Compounds. II. Certain to only and Discussional			
1. B. Bersuker		676	734
BRIEF COMMUNICATIONS	•		
Electron Paramagnetic Resonance of Complexes of Vanadieu Chloride with	100		
Organoaluminum Compounds. S. V. Shulyndan, N. N. Takhomi	Izova.		
A. E. Shilov, and A. K. Shilova		682	740
Infrared Spectra and Structure of Strontium Silicates. A . Lazarev.	•		
I. F. Tenisheva, Mao Chih-chun, and S. A. Toropov.		684	741
Structure of KiOsO4 · 2H2O. M. A. Porai - Koshits, i O. Atavinyan,	4 nd		
V. G. Andrianov		636	743

Available From Consultants Bureau

Zhurnal Strukturnoy Khimii, Vol II, No 6, 1961	PAGE	RUSS. ISSUE
Stereochemistry of Four-Coordinated Spin-Free Internal Complex Compounds of Co(II)		
and Ni(II) with o-Hydroxyaldehydes. V. V. Zelentsov and		
V. K. Trunov	688	745
Structures Derived from the CaF ₂ -CeO ₂ Cubic Type. Yu. A. Pyatonko	690	746
Phase Diagram of the Aluminum-Boron System, V. T. Screbryanskii and		
V. A. Épel'baum	692	748
BIBLIOGRAPHY		
International Union of Crystallography Commission on Crystal Structure Data List of		
1957 Publications Containing New Data on Crystal Structures	695	751
Author Index, 1961	709	
Table of Contents, 1961	711	

Available From Consultants Bureau

JOURNAL OF

STRUCTURAL CHEMISTRY

A translation of ZHURNAL STRUKTURNOI KEIMIL

a publication of the Academy of Sciences of the USSR

Volume 3, Number 1

January-February, 1962

CONTENTS	PA	G E
	ENG.	RUSS.
Decisions of the Twenty-Second Party Congress and Our Tasks	1	3
and V. M. Presnyakova	3	5
The Limits of Application of the Debye-Huckel Theory, Yu. V. Gurikov	8	10
Structure of Picric Acid Solutions in Methyl Alcohol, K. P. Mishchenko and M. K. Fedorov A Study of Internal Rotation in Polymers by the Analysis of the Asymmetry in the EPR	13	15
Spectra. Ya. S. Lebedev, Yu. D. Tsvetkov, and G. M. Zhidomirov	18	21
M. V. Akhamanova	24	28
Crystal Structure of the Compound Ta2Ni. F. I. Kripyakevich and E. N. Pylaeva	30	35
M. A. Porai-Koshits and M. Bukovska	33	38
A. A. Godovikov	38	44
B. Irnanakunov	44	51
I. B. Berkuser	56	64
I, N. Maksimova	61	70
Optical Activity in the Conformation of Certain Alicyclic Terpenes. M. V. Vol'kenshtein	71	80
and I, O, Levitan.	77	87
BRIEF COMMUNICATIONS		
Interactions Between Neighboring Ions in Solution. Yu. M. Kessler, Yu. M. Povarov, and A. I. Gorbanev	82	93
The Nature of the Broadening of the Hyperfine Lines in the EPR Spectra of Paramagnetic	•	30
Solutions, B. M. Kozyrev and A. I. Rivkind	84	95
Rolvent Effects in the EPR Spectra of Certain Free Radicals. A. V. Il'yasov	84	95
N. M. Aleksandrov and L. P. Rodionova.	86	97

Zhurnal Strukturnoy Khimii, Vol III, No 1, 1962	PAGE	RUSS. PAGE
Crystallographic Data for Certain Acenaphthene Derivatives. R. L. Avoyan and		
Yu. T. Struchkov	88	99
R. L. Avoyan and Yu. T. Struchkov	89	100
The Second Moment of the NMR Lines of Fibrous Materials. D. Ya. Tsvankin and E. I. Fedin	90	101
Nature of the Chemical Bond in Carbonyls and Nitrosyls of the Transition Metals.	30	101
E. M. Shustorovich.	92	103
DISCUSSION		
Definition of the Concept of Hardness as the Structural State of a Substance and Its Consistency.		
V. N. Muratov and V. A. Frank-Kamenetskii	95	106
REVIEW		
Crystal Chemistry of the Complex Compounds of Platinum. Part 1, Compounds of Quadrivalent		
Platinum, G. A. Kukina	97	108
BIBLIOGRAPHY		•••
International Union of Crystallography	107	118
Commission on Crystal Structure Data	107	118
List of 1958 Publications Containing New Data on Crystal Structures	107	118

Soviet Physics

TECHNICAL PHYSICS

A Translation of the "Zhurnal Tekhnicheskoi Fiziki"

(Russian Original Vol. 32, No. 2, pp. 133-259, February, 1962)

Vol. 7, No. 2, pp. 93-186

August, 1962

CONTENTS

	PAGE	RUSS. PAGE
An investigation of Stationary States of a Plasma in the Kinetic Approximation.		
N. H. Con arov and V. M. Fadeev.	93	133
The Propagation Mong a Magnetic Field of Nonlinear Oscillations in a Plasma.		
A. D. Pata aya	97	139
Excitation of Wayes in an Infinite Nonequilibrium Plasma, M. S. Kovner	101	145
No ilinear Langmoir Oscillations. V. S. Tkalich and N. V. Saltanov	109	156
Ce tain Features of the Doppler Effect in Anisotropic Media, K. A. Barsukov	112	161
"sellistion in a Cold Plasma Containing Two Ion Species. V. L. Yakimenko	117	168
licus mement of the Charged-Particle Density in an Intense Pulsed RF Discharge		
with a Traveling Magnetic Field, R. A. Demirkhanov, N. I. Leont'ev,		
and I. A. Kesyi	125	180
ory of the Positive Column in an Arc Discharge, S. M. Krizhanskii	129	185
tren Velocity Distribution, Excitation, and Ionization in the Positive Column		
of a Neon Discharge, Yu. M. Kagan and R. I. Lyagushchenko	134	192
stip ation of Light Produced by Exploding Wires, M. P. Vanyakov and V. I. Isaenko .	138	197
ree-Fill ment Ion Sources. L. N. Gall', R. N. Gall', Yu. S. Rutgaizer,		
and A. M. Shereshevskii	143	202
Preshold Temperature for Surface Ionization on Tungsten as a Function of the		
Casium Vapor Pressure, E. Ya. Zandberg, V. I. Paleev, and A. Ya. Tontegode	147	208
Anodes of Ther noelectronic Converters. V. G. Bol'shov and A. A. Zharinov	152	214
Thermoelectron Emission of Some Refractory Compounds. T. L. Matskevich		
anl T. V. Kra hino	156	220
On the Problem of the Connection of the Thermal-Diffusion Coefficient with the		
Thermodynamic Properties of Binary Mixtures, II. The Pressure Dependence		
of therms. Discussion in a Gaseous Mixture in the Range 0.01-0.5 Atm.		
L . Katassov.	159	224
the fact to cirical Resistance for High Normal Pressures, L. F. Vereshchagin,		
E. V. Zubeva, and V. A. Shapochkin	163	230
Sepannia Contact Resistance of VK-Type Hard Alloys, L. F. Vereshchagin,		
V. A. Shapocukin, and L. B. Pirogova	165	233
e Divisive Heat-Shielding of a Porous Plate in a Gas-Dynamic Flow by the		
Seeiing Through of Liquid and by Physicochemical Reactions in the		
Lawmar Houndary Layer. E. P. Vaulin and N. N. Gvozdkov	169	238

Available From American Institute of Physics
Soviet Physics - Technical Physics
Vol VII, No 2

Zhurnal Tekhnicheskoy Fiziki Vol XXXII, No 2, 1962	PAGE	RUSS. PAGE
BRIEF COMMUNICATIONS		
Possible Method for Injecting Plasma into Closed Magnetic Traps.		
V. T. Tolok and K. D. Sinel'nikov	176	248
The Influence of Conductivity Anisotropy on the Flow of a Conducting		
Gas in a Tube. Ya. S. Uflyand and A. N. Kanev	177	249
LETTERS TO THE EDITOR		
Electrodynamic Excitation of Shock Waves. I. M. Zolototyrubov,		
Vu. M. Novikov, and V. A. Kiselev	179	253
Vertical Distribution of Particles Suspended in a Turbulent Flow. N. A. Fuks	180	255
Remarks on the Derivation of the Vertical Distribution Law Postulated		
by N. A. Fuks for Particles Suspended in a Turbulent Flow. O. M. Todes	182	258

Available From American Institute of Physics Soviet Physics - Technical Physics Vol VII, No 2

AUTHOR INDEX

			706
Abdrakhmanov, M. I.	206	al Jalil, 'Awatif 'Abd	326
Abdullin, G. Z.	246	Allende, Salvador	107
Ablyazov, V. S.	207	Almeida, P. R.	145
Abrahamsen, Egil	221	Alpatov, N.	37 205
Abramova, A. L.	37	Al'tman, A. B.	305
Abramova, I. I.	37	Altshuler, S. A.	180
Abubakirov, N. K.	158	Amann, A.	261
Achard, Jean-Claude	164	Ambartsumyan, B.	17
Ackmann, Gunther	220	Ambrok, G. S.	193, 194
Adler, E.	178	Amiragov, I. L.	111
Ado, Yu. M.	181	Ammon, R.	169
Aero, M. E.	159	Ammosov, I. I.	227
Afonin, I. A.	23	Amosov, B. V.	266
Agarev, Ye. A.	16	Ananyan, A. D.	189
Agol, I. I.	129	Ananyan, V. L.	296
Agranovich, V. M.	295	Anashkina, L. N.	5
Agster, A.	214	Anders, Willy	65
Ahlers, W.	283	Andersen, A.	169
Ahrens, H.	165, 216	Andreasyan, R.	19
Aidit, D. N.	97	Andreyev, V. M.	129
Akhmanova, O. S.	324	Angel, G.	187
Akimtsev, V.	234	Anghileri, Leopoldo Jose	146
Akopyan, G.	34	Anisimov, N.	10
Aksel'rod, Z. M.	200	Antipov, V. V.	245
Aksenemko, Yu. A.	24	Antonov, A. V.	289
Aksenov, Ye. P.	322	Antonov-Romanovsky, V. V.	299, 306
Aksonova, N. N.	127	Apel, A.	173
Akulov, A. I.	266	Arbuzov, A. Ye.	150
Alakhov, B.	4	Arbuzov, V. A.	274
Alakhverdyan, Derenik	42	Aref'yev, V. A.	31
Aldea, Gheorghe	57	Arens, K.	146
Aleksandrov, N. I.	255, 256	Areshkina, L:	114
Aleksandrov, S. G.	322	Argirovic, M.	112
Aleksandrov, V.	39	Arikan, Baha	79
Aleksandrov, V. S.	184	Aristidhi, Vaske	61
Alekseyev, A.	19	Arkharova, V. V.	294
Alekseyev, B. A.	182	Arkhipov, A.	4
Alekseyevskiy, E. V.	160	Arkhipov, V.	3 6
Alexander, H.	316	Arkhipov, Ye.	32
	6	Arrieux, Claude	70
Aleynikov, N. A.	149	Arsen'yeva, M. A.	245
Alfimenkov, V. P.	130	Arsh, E. I.	190
Alikhanyan, S. I.	286	Arutyunyan, L.	23
Alimenkov, V. P.		Ashkerov, V. P.	36
Alimov, R. Z.	298	Walled for L.	

Ast, Herman	45	Baum, F. A.	292
Atanasov, Sedefcho	42	Bauman, V. M.	256
Atchison, T. C.	239	Baumgartner, A.	135
Atsumo, Hideo	176	Bautzmann, H.	260
Avdeyev, S.	9	Bayburskiy, L. A.	227
Avrunina, G. A.	248	Bazanov, A. N.	198
Avundzhyan, E. S.	118	Bazavluk, V. Yu.	128
Ayer, A. J.	40	Bazhenov, I. I.	87
Ayzenberg, I.	7	Bazilevich, N.	237
.,	•	Bazin, S.	258
- B -		Becker, F.	168
-		Becker, G.	281
Babeshkin, A. M.	287	Becker, H.	282
Bacic, Iva	161	Becker, K.	314
Bacquet, G.	310	Becker, W.	211
Badalov, S. T.	157	Beckmann, G.	282
Baerlecken, E.	279	Beder, N. M.	155
Bakeyev, N. N.	125	Behrendt, G.	140
Bakhman, N. N.	195	Behrens, Friedrich	222
Bakhtiozin, R. A.	295	Behrenz, W.	141
Baklagin, A. I.	227	Bektursunov, S. S.	268
Bakulev, A.	322	Belfrage, S.	264
Balanda, D.	156	Bel'govskiy, M. L.	119, 130
Balashova, E. A.	238	Belik, L.	212
Balczewski, Antoni	51, 52	Belikov, I. D.	114
Baldi, A.	263	Belinkin, A. L.	270
Bal'shin, M. Y.	267	Belkin, V. R.	248
Bandel, W.	219	Belosel'skiy, V.	307
<u> </u>	280	Belovintsev, K. A.	181
Banerjee, N. G.	125		256
Bannikov, A. G.	114	Belyakov, V. D.	317
Baranov, F. I.	268	Bemerl, W.	311
Baranov, I. A.		Benard, J.	60
Baranov, Vladimir I.	180	Benari, S.	143
Barer, A. S.	257	Benatena, H.	218
Barkanov, I. M.	288	Bendel, L.	52
Barresi, E.	142	Benko, M.	228
Barton, K.	171	Bennigsen, G. V.	
Bartshcer, W.	171	Bequer, Conrado	106
Bashkirov, G. S.	237	Bercovici, M.	58 270
Basset, Jacques	290	Berdichevski, N. N.	230
Bastien, P.	276, 310	Berdyugin, V. A.	192
Bathilde, Hippolyte	222	Bereczky, Tamas	50
Batov, Iv.	12	Berenshtein, M. G.	201
Batsuk, D.	86	Berestovenko, K. M.	30
Batunskiy, M.	39	Berezkin, V. G.	156
Baturov, G. S.	206	Berezov, Yu. Ye.	248
Bauer, A.	318	Berg, A. I.	324

Berg, L. S.	122	Bondarenko, A.	3
Bergdahl, U.	264	Bondarenko, P. S.	180
Berger-Landefeldt, U.	241	Bonnevie, Ola	72
Bergmann, W.	170	Borel, J. P.	186
Berkman, I. L.	29	Boris, L. I.	205
Berl, E.	316	Borisov, M.	3
Berlin, A. A.	160	Borisov, V.	32 <u>?</u>
Berman, L. D.	202		
Berndt, M.	179	Boroczy, E. Borodatova, Z. A.	212, 219
Bernhardt, E. C.	169		126 265
	271	Borodich, V. D.	153
Bernshteyn, M. L. Berruti, V.	209	Borodkin, V. F.	
•	110	Borodyuk, N. A.	256 208
Bertinov, A. I.	315	Bortaud, P.	208 271
Besboro, M. A. Bethe, H.	186	Borzdyka, A. M.	
Betkowski, S.	53	Bosman, M. Bostman	136 67
Bettzieche, P.	166	Bottger, F.	
The state of the s	213	• •	314
Betzhold, C.		Bouchardeau, A.	134
Beyersdorfer, K.	315	Boychenko, H. S.	210
Bezbord'ko, M. D.	294	Boychenko, M.	22
Bezvikonnyy, A. A.	197	Boyko, V.	23
Bielecki, Jerzy	51 716	Brandis, S. A.	297 287
Bier, Konrad	316	Brandt, H. G.	283
Biro, G.	136	Brauer, Georg	165
Bizette, H.	310	Braunersreuther, E.	290
Bizyayev, A.	8	Braun, H. J.	140
Blagoveshchenskiy, D.	117, 121	Braun, R.	187
Blain, P.	276	Brauns, E.	169
Blanc, A.	45	Brauns, O.	213
Bleichroth, W.	278	Bravo, Emilio	106
Blinov, V. I.	292	Bresler, V. M.	127
Bobro, Y. G.	271	Briquet, Georges-Raoul	209
Bode, H.	166, 316	Bross, H.	310
Bodino, G. Avando	68	Brotzmann, K.	278
Bodnar, A.	53	Brouhon, N.	258
Boethin, T.	167	Bruch, J.	312
Bogdanov, A. G.	182	Bruma, M.	208
Bogdanov, F. R.	250	Brunhold, E.	141
Bogdanov, I.	15	Brunnschweiler, E.	171
Bogenstatter, G.	211	Bruyevich, S. V.	≥36
Bogomolets, O. O.	264	Brzeski, Jan	51
Bogomolov, S. I.	204	Buchholtz, A.	311
Bohmer, S.	282	Buchler, K.	220
Bokserman, I.	1	Budavey, V. Yu.	1
Bokuchava, M. A.	151	Budko, A. V.	194
Bolland, G.	147	Budsuren, S.	86
Bolotin, A. L.	197	Buhl, Henning	179

Bui, Cong Trung	90	Chao, Han	95
Bui, Ngoc An	91	Chao, Sung-ch'iao	80
Bukreyev, I. N.	206	Charakchiev, Asen	61
Bulakh, A. G.	269	Charin, V. S.	324
Bulankov, L. V.	13	Charleroi, S. A.	207
Bulter, D.	218	Chashkin, I. N.	252
Bulygina, E. V.	196	Chatynyan, L. A.	270
Bungardt, K.	279, 281	Chauvelier, B.	275
Bunge, H.	49	Chavchanidze, V. V.	206
Bunin, A. I.	14	Chazanov, B. S.	303
Burakiewicz, Janusz	51	Che, Viet Tan	90
Burberg, J.	46	Chebotarev, N. G.	243
Burdukskiy, V.	11	Cheglakov, V.	20
Burkhart, K.	240, 241	Ch'en, Chieh-yang	132
Burov, D.	3	Chen, Wen-yuan	308
Burtsev, A. V.	128	Ch'en, Ying	81
Burtzev, L. I.	194	Ch'en, Yu-wei	274
Buslayev, Yu. A.	153	Chenchev, I.	254
Butyeva, F. A.	292	Chentsov, K. P.	25
Buyalo, S. G.	255	Chepikova, A. R.	116
Buzek, G.	177	Cherednichenko, V. I.	112
Buzlyakov, N.	32	Cherepanov, A. M.	161
Byakov, Yu. A.	231	Cherkinskiy, S. N.	249
Bykov, V. N.	289	Chernevich, V. Ya.	27
Bykova, I. V.	201	Cherneyeva, L. I.	303
		Chernomordik, D.	32
- C -		Chernopyatov, V.	11
		Chernousov, N. P.	197
Caldirola, P.	291	Chernysheva, V.	12
Calero, Juan Del Rey	147	Chernyshyova, N. E.	233
Calic, Dusan	44	Chetu, Wallemar	57
Califano, S.	318	Cheutin, A.	163
Calvet, M. E.	163	Chevilliard, C.	162
Candeli, A.	263	Ch'i, Kuei-ying	274
Capelle, R.	161	Chicherina, N. D.	235
Cappus, P.	310	Chinh-nam	91
Carb, Kh.	15	Chizhov, S. I.	273
Cardiergues, R.	309	Chlebovsky, T.	66
Casnabet, L.	276	Chlitovskiy, D. A.	247
Casperson, G.	135, 140	-	239
Ceapiru, D.	56	Chong, Chi-hwan	103
Cernohorsky, Martin	184	Christ, Josef	291
Chabaud, V.	290	Chu, Chi-fan	238
Chalkina, O. M.	247	Chu, T'ing-ch'eng	81
Chang, Chen-ya	95, 109		295
Chang, In-ki	85	Chuguntsev, B.	12
Chang, Yu-yu	96	Chuiko, N. M.	268
		•	

Chumachenko, N.	7	Decroly, C.	275
Chumadurov, A. T.	4	Degtyarev, P.	28
Chun, Hui	103	Dehalu, G.	311
Chury, J.	132	Deich, M. E.	203
Ciborowski, J.	177	Deicher, H.	260
Ciferri, A.	319	Deicke	136
Cimitrov, Mircho	61	Deijs, W.	136
Ciobanu, V.	56	Dekeyser, P. L.	257
Cittadini, A.	163	de Keyser, W. L.	274
Ciuciu, P.	58	Dekha, S. N.	207
Clauzel, J.	76	Dekhtyar, I. Y.	305
Cobo, Ernesto Aberg	108	de Laffolie, H.	278
Coirault, R.	257	DeLarue, G.	162
Colombier, L.	162	DeLaunay, A.	258
Conkic, Stevan	45	De Man, J.	133
Connes, Pierre	311	Demidovich, B. P.	243
Conroy, D. A.	133	Demikhov, V. P.	245
Coufalikova, N.	161	Deparma, N. K.	116
Crespy, J.	208	Deplus, C.	210
Crussard, C.	185	Derivot, J.	257
Csaba, G.	260	de Robert, J.	276
Cseti, S.	173	de Robien, E.	207
Cursaru, Lucian	55	Deryugin, L. N.	184
Cusmano, F.	263	Dessens, Henri	239
Czyzewski, M.	177	de St. Marc, Sauvage	67
Czyzynska, Halina	52	Deutsche-Bergin, A. G.	173
		Devoyno, A. N.	298
- D -		de Wit, C. T.	137
		Deych, M. Ye.	203
Dadykin, V.	116	Dhekne, B.	166
Dagel, Y.	226	Diesselhorst, H.	221
Dahlerus	178	Dietel, P.	135
Dahm, H. P.	145	Dietrich, F.	137
Dakhnov, V.	200	Dietzel, A.	166
Damaschke, K.	260	Dijkstra, N. D.	138
Dam'e, N. G.	245	Dijstra, A.	138
Damyanov, Kiril	42	Di Leo, S.	142
Danckwarat, Eric	216	Dimitrova, Nadezhka	43
Danilenko, G.	17		64
Danilov, A.	30	Dinic, O.	127
	152	Dmitriyev, N. A.	127
Danilov, V. I.		Dmitriyeva, Ye.	
Dashevskiy, M. I.	199 122	Dnestrovskiy, Yu. N.	308
Davtyan, E.		Do, Van Suu	89 206
Davydov, B. I.	250 265	Doganovskiy, S. A.	206
Davydov, Y. P.	265	Dohnalek, Zbigniew	54 272
De Boer, T.	132	Dolgov, Yu. S.	272
de Broglie, Louis	309	Dolzhankiy, Yu. M.	110

Dombrovskaya, Yu. F.	251	- E -	
Domenech, Joel	107		
Domingo, W.	147	Eck, B.	212
Dorabialska, Alicja	53	Eckert, P.	170
Dorfman, Ya. G.	293	Eckhard, S.	312
Doroguntsev, V. G.	182	Edel'shtein, N.	157
Doroshenko, S. N.	193	Egorov, V. G.	231
Doshchanov, M. B.	238	Egorov, V. L.	270
Dosse, G.	139	Eich, D.	139
Drace, Dzemal	45	Eichhorn, K.	283
Dragesund, Olaf	147	Eigen, M.	291
Dragos, Toma	57	Eisele, D.	169
Dresia, H.	229	Eitz, É.	216, 275,
Drewnowski, Jerzy	51	·	315
Dreyer, A. A.	234	Ekman, V. Walfrid	242
Drozdov, M.	122	El'darov, A.	3
Dubinin, V.	121, 130	Elias, F.	285
Dubovskiy, N. V.	118	El'kin, D. G.	255
Dubrovskiy, O. V.	202	Ellenberg, H.	133
Duchev, Anton	42	El'perin, I. T.	298
Dudnik, A.	201	Elston, J.	162
Dudorov, V. V.	302	El'yanov, A.	19
Duflot, J.	276	Elyashev, L.	13
Dukalski, Henryk	51	Emel'yanov, Yu.	184
Dulov, A. A.	152	Enders-Ruckle	260
Duong, Huong	88	Endoh, K.	177
Dupraz, R.	75	Engelbrecht, L.	168
Durand, J.	276	Engelhardt, H.	315
Dushin, Yu. A.	153	Enikolopyan, N. S.	307
Dushkina, N. A.	230	Epshtein, G. N.	269
Dutov, V. N.	36	Epshteyn, Ye. F.	190
Duvall, W. I.	239	Erdey, L.	315
Dvinin, P. A.	131	Eremeyev, G. G.	191
D'yachenko, S. S.	270	Ershov, V. S.	254
D'yachenko, V.	12	Esipov, V. K.	126
D'yakov, V.	11	Estulin, G. V.	271
Dyban, E. P.	191	Etingof, B. N.	6
Dzaki, Hiroshi	230	Evangelisti, Giorgio	111
		Everts, D.	68
		Ezovitov, N. B.	253

- F -		Fiocchi, R.	291
		Fisher, L. S.	161
Faber	210	Flodina, T. L.	179
Fabian, H.	316	Fomin, V. V.	150
Fabrikant, V. A.	292	Fomina, A. M.	303
	165, 279	Forque, Emile	258
Fabritius, H.	226	Fouad, M. G.	284
Fahlin, B.	247	Fraker, A. C.	284
Falin, L. I.	190	Français, J.	208
Fal'kevich, A. S.	131	Frauenfelder, H.	313
Fang, Tsung-hsi	50	Freidisman, G. M.	154
Farjaszewski, Stefan	316	Freydlin, L. Kh.	156
Farrenkopf	241	Fridkin, V. M.	301
Fast, H.	306	Fridman, Ya. B.	270
Fastovskiy, V.		Fridman, Z. G.	267
Faulstich, R.	283	Frikell, G.	212
Faust, H.	207	Frolov, V. A.	14
Fazlullin, N.	242	<u> </u>	287
Federov, M. V.	120	Frynta, E.	229
Fedorov, A. A.	128	Fuchs, W.	41, 264
Fedorov, M. F.	202	Fudel'osipova, S. I.	262
Fedorov, R. E.	322	Fuhrmann, G.	278
Fedorov, V.	322	Funke, P.	19
Fedorov, V. D.	250	Futan, L.	. 13
Fedoseyev, P. N.	39	C	
Feher, F.	171	- G -	
Feklisov, G. I.	152	Cabian lamaf	51
Feng, Ch'i-yung	102	Gabjan, Jozef	224
Feng, Chung-yun	238	Gaegauf, H.	69
Fensky, Karl	48	Gah	153
Fenzke, H. W.	281	Gaidarov, L. P.	
Feofanov, D. V.	5	Gal'chenko, G. L.	152 304
Ferrari, T.	132	Galiullin, A. S.	304
Eassan M			
Ferrero, M.	275	Galli, Giorgio	71
Fetz, H.	275 317	Galli, Giorgio Galli, Roger	71 209
	275 317 15	Galli, Giorgio Galli, Roger Gal'perin, I. I.	71 209 201
Fetz, H.	275 317 15 46	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E.	71 209 201 13
Fetz, H. Feygin, L. M.	275 317 15 46 281	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M.	71 209 201 13 121
Fetz, H. Feygin, L. M. Fichte, H.	275 317 15 46 281 36	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V.	71 209 201 13 121 297
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H.	275 317 15 46 281 36 237	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K.	71 209 201 13 121 297 180
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V.	275 317 15 46 281 36 237	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D.	71 209 201 13 121 297 180 210
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A.	275 317 15 46 281 36 237 10 66	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E.	71 209 201 13 121 297 180 210
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V.	275 317 15 46 281 36 237 10 66 203	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garate, M. T.	71 209 201 13 121 297 180 210 275
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V. Filipczynski, Leszek	275 317 15 46 281 36 237 10 66 203 307	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garayevskaya, L. S.	71 209 201 13 121 297 180 210 275 275
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V. Filipczynski, Leszek Filippov, G. A.	275 317 15 46 281 36 237 10 66 203	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garate, M. T. Garayevskaya, L. S. Garin, N. C.	71 209 201 13 121 297 180 210 275 275 37
Fetz, H. Feygin, L. M. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V. Filipczynski, Leszek Filippov, G. A. Filippov, L. P.	275 317 15 46 281 36 237 10 66 203 307	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garate, M. T. Garayevskaya, L. S. Garin, N. P. Garkusha, A. V.	71 209 201 13 121 297 180 210 275 275 275 37 249 202
Fetz, H. Feygin, L. M. Fichte, H. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V. Filipczynski, Leszek Filippov, G. A. Filippov, L. P. Filippov, N. V.	275 317 15 46 281 36 237 10 66 203 307 301	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garate, M. T. Garayevskaya, L. S. Garin, N. C. Garkusha, A. V. Gatineau, L.	71 209 201 13 121 297 180 210 275 275 275 249 202 164
Fetz, H. Feygin, L. M. Fichte, H. Fichte, H. Fiedler, H. Filatov, V. Filimonov, M. A. Filinskiy, V. Filipczynski, Leszek Filippov, G. A. Filippov, L. P. Filippov, N. V. Filippov, Yu.	275 317 15 46 281 36 237 10 66 203 307 301 184	Galli, Giorgio Galli, Roger Gal'perin, I. I. Gal'person, E. Galushin, V. M. Gamkrelidze, R. V. Ganulich, A. K. Ganz, D. Garate, M. E. Garate, M. T. Garayevskaya, L. S. Garin, N. P. Garkusha, A. V.	71 209 201 13 121 297 180 210 275 275 275 37 249 202

Gazeryan, A.	18	Goldsche, J.	213
Gebhardt, E.	284	Golikov, I.	22
Gekhtbarg, Ye.	20	Gollerbakh, M. M.	128
Gel'chinskiy, B. Ya.	304	Golovanov, A. I.	273
Geller, A. A.	155	Golovanov, G. A.	6
Gellert, I. V.	6	Golovina, A.	158
Genel, S. V.	159	Golovkin, A.	304
Genzel, L.	313	Golovkin, N	126
Geppert, 0.	186	Golovkin, V. S.	289
Gerashchenko, V.	32	Golovko, L.	7
Gerasimov, I. M.	119	Golub', A. P.	265
Gerbes, Werner	316	Golubev, A. I.	154
Gerevatenko, A. S.	122	Golubnichiy, I.	21
Gerlach, A.	136	Golubtsov, S. A.	149
Gershun, N. O.	18	Gonazlez, R.	259
Gerstner, H.	262	Goncharova, N. V.	154
Gertner, Antun	161	Gonermann, H.	228
Gertsriken, S. D.	265	Gonopol'skiy, M. Kh.	255
Gessner, F.	137	Gonzales, R.	264
Gheorghiu, Nicolae	56	Gorasimov, A. V.	36 -
Ghita, Nicolae	56	Gorbacheva, N. A.	306
Gierloff-Emden, H. G.	240	Gorbis, Z. R.	295
Gigli, Ermanno	224	Gorbov, V. F.	28
Gilyarov, M.	131	Gorbunov, L. M.	304
Gipromez	23	Gorbunova, K.	160
Girin, O. P.	306	Gorbunova, Yu. E.	153
Girshfel'd, G. S.	25	Gorelik, I. M.	301
Gladkovskiy, V. A.	272	Gorinov, A.	32
Glazov, V.	36	Gorizontov, P. D.	246
Glezerman, G.	34	/ Gorkova, I. M.	230
Glikman, L. Sh.	303	Gorniya, A. A.	153
Glowacka, G.	225	Gornshrein, V. M.	182
Glukhov, A.	13	Gornyy, A. G.	36
Glushkov, A.	324	Gorodetsky, S.	183
Gluchkov, V. M.	325	Gorokhova, V. N.	272
Glushkov, Ye. S.	295	Gorokhovskiy, A.	28
Godnev, I. N.	307	Gorozhankiy, B. N.	184
Godnev, Ivan Nicolaivi	ch 294	Gorzechowski, Maciej	53, 65
Godovannyy, B.	39	Govorukha, L. S.	235
Gogin, V.	12	Graben, Peter	222
Goguel, Jean	239	Grachev, I. I.	254
Gohler, M.	281	Graf, L.	167
Golabev, T. M.	200	Graff, K.	112
Gol'danskiy, V. I.	288	Gram, J. P.	244
Gol'dberg, V. M.	156	Granatkin, B. V.	289
Gol'denberg, A. A.	269	Grand, L.	275

Granovskiy, S. P.	198	- H -	
Graue, G.	312		
Gravert, H.	142	Haalck, J.	48
Grebenikov, Ye. A.	322	Haardt, M.	242
Grebenyuk, B.	16	Haerdi, W.	168
Greiling, H.	169	Hahn, L.	208
Grigor'yants, N. N.	159	Haldenwanger, H.	314
Grigor'yev, Yu. G.	245	Hamm, R.	140
Grimm, O.	216	Hanchen, R.	221
Grinevich, V. A.	154	Hans, A.	311
	17	Hanson, R.	226
Gritskov, M.	22	Harborth, Werner	46
Gromov, A.	22	Harders, W.	216
Curaban I V	204	Hardt, Werner	185
Groshev, L. V.	286		317
Grosshans, Helga	49	Hartmann, H.	262
Growe, B.	68	Hasselbach, W.	162
Grudeva, N. A.	159	Hatwell, H.	259, 262
Gruhl, W.	282	Haubold, H.	290
Grushko, Va. M.	40	Hausser, K. H.	
Gruznov, G.	22	Hayashi, K.	319
Grynfogel, M.	258	Hebel, M.	215
Gudkov, A. V.	183	Hebert, Lucien	209
Guerin, H.	163	Heide, K.	135
Gukasova, E. A.	189	Heimburger, N.	141
Gullino, D.	263	Heinen, L.	218
Gunne, Kh. E.	304	Heinig, L.	219
Gurevich, I. G.	194	Heinrich, F. J.	166
Guseva, O. V.	205	Hejtmanek, Hans	244
Gustavsen, Finn	71, 72	Held, W.	186
Gutierrez, Manuel	147	Hellwege, K. H.	312
Gutman, I. I.	300	Helmer, Martin	63
Gutmann, E.	257	Hempel, Gotthilf	135
Gutovskiy, M. V.	196	Hengst	211
Gutter, Gerhard	206	Heppner, F.	217
Guttsayt, E. M.	206	Herbst, Walter	139
Gyn, O. Khyee	87	Herdegen, E.	177
cyn, c. mycc	•	Herzog, Richard	317
		Hieber, W.	167
		Higase, S.	145
		Higuchi, K.	176
		Hjelmqvist, S.	285
		Ho, Chi Minh	92
		Ho, Tso-ch uang	95
		Hoai, Phuong	91
		Hoang, Chinh	92
		Hoang, Quoc Thinh	88
		Hoang, Quoc Viet	99
		mong! danc ites	3.5

Hochmann, J.	162	- I -	
Hoehne, K.	228		
Hoffman, K.	147	Ianculescu, P.	60
Hoffmann, H.	228	Ichino, S.	225
Hohnel, W.	135	Ignatenko, V. P.	183
Holdheide, W.	138, 241	Igoshin, A. P.	266
Holland, Friedrich	48	Il'ina, T. K.	120
Holman, H. R.	260	Illgner, K. H.	214
Holzhey, J.	216	Ilse, F. E.	317
Homburg, H.	48	Imai, Yunoshin	224
Honegger, E.	220	Indenbom, V.	198
Hong, Ui-sop	104	Inoh, S.	143
Hormann, Helmut	135	Ioffe, A. F.	299
Horovitz, C.	146	Ioffe, I. A.	298
Hosohara, K.	177	Ioffe, Ya. I.	306
Hou, Te-feng	238	Ionas, B.	17
Houbart, I.	311	Ionescu, M.	56
Hoverath, A.	228	Iordan, H.	60
Hsi, Lin-sheng	96	Iribadzhakov, N.	34
Hsiang, Yang	96	Isakov, Yu. A.	125
Hsieh, Chia-tse	238	Isayenko, V. I.	308
Hsieh, Ch'ung-ping	132	Isayev, A. I.	189
Hsien-ching, W.	175	Isayev, I.	18
Hsu, Chao-hu	257	Isayeva, L. A.	251
Hsu, Kuang-hui	131	Ishimatsu, I.	320
Hu, Ssu-sheng	95	Ishiwatari, K.	144
Hu, Szu-sheng	95	Ismagilov, M.	116
Huang, Fan-shang	96	Israel, Solomon	43
Huang, Yao-tseng	105	Itskovich, E. L.	31
Huber, B.	137, 260	Itskovich, G. M.	6, 210
Huber, Jakob	223	Ivancenco, Alexandru	56
Hubsch, H.	168	Ivanenko, S.	10
Huck, G.	228, 280	Ivan'kovich, N.	34
Hucks, H.	213	Ivanov, A. É.	246
Hueck, K.	146, 147	Ivanov, K. I.	203, 296
Huff, K.	169	Ivanov, M.	40
Huisman, T.	167	Ivanov, N.	8
Hulst, Gohlich	142	Ivanov, V. I.	2
Hultzsch, E.	221	Ivanov, V. P.	297
Hulubar, V.	309	Ivanova, M. P.	256
Hung, T.	175	Ivashin, M. V.	131
Hunt, M.	239	-	
Huster, E.	317		

- J -		Kani	96
		Kanise, I.	320
Jacobson, L. M.	151	Kao, I-sheng	105
Jacquet, M.	163	Kao, K'uei-wen	239
Jager, H.	214	Kao, Yuan	239
Jahns, H.	213	Kapel'chik, M.	27
Jamm, W.	211	Kapuatin, E.	26
Janert, H.	140	Karakashev, V. A.	197
Janiche, W.	283	Karavayev, G. A.	3
Jansen, H. G.	318	Karinskiy, S. S.	27
Jansen, J.	264	Karmazin, V.	10
Jarnuszkiewicz, Halina	53	Karmysheva, B. Kh.	99
Jayme, G.	137, 170	Karnov, M. Ya.	198
Jechorek, H.	49	Karzinkin, G. S.	113
Jen, Hua	96	Kasatkin, A. G.	190
Jessen, Otto	240	Katkhe, O. I.	303
Jieinsky, Zdenek	62	Katsnel'son, R. S.	296
Jirkovsky, Rudolf	66	Kawaguchi, R.	144
Jiro, Yoshihara	98	Kawamura, M. U.	285
John, Friedmar	46	Kawase, S.	143
Josi, R.	313	Kayas, G.	319
Jovic, Borislav	44	Kazakov, A.	26
Jugder, N.	87	Kazakov, A. M.	24
Juillard, M.	208	Kazanskiy, V. I.	14
Julien, M. A.	209	Kazarnovskiy, M. V.	288
Junker, G.	217, 282	Kazavchinskiy, Ya. Z.	303
Just, W.	111	Kaznovskiy, S. P.	304
•		Keil, Fritz	220
- K -		Kekelidze, N. P.	287
		Keller, A.	186
Kabanov, I.	28	Keller, B. M.	236
Kabatov, N.	7	Kerimov, D. A.	324
Kaganov, N. L.	293	Kessel'man, P. M.	290
Kainarskiy, I. S.	199	Khablenko, D.	7
Kainer, Helmuth	167	Khachaturov, S. S.	269
Kakimoto, H.	215	Khadzhi, D. L.	272
Kalganova, O. P.	268	Khait, V. S.	256
Kaliska, G.	277	Khakhalina, I. M.	251
Kaljo, D. L.	236	Khalikov, K.	14
Kamanger, Ahmad	79	Khalimanovich, M. P.	194
Kamenitser, C. Ye.	1	Khalitov, R. Sh.	157
Kan, Tzu-yu	81	Khamrad, V.	289
Kanagawa, Akira	291, 320	Khanin, M. N.	247
Kanalev, Petko	43	Kharat'yan, G.	40
Kanarskiy, V. F.	232	Kharisov, Sh. Kh.	252
Kandler, Rudolf	138	Kharlamov, S. A.	192, 199

Kharlampovich, G.	10	Knoppel, H.	170
Khazanovich, M. V.	40	Koblents, Ya. P.	232, 233
Khenokh, M. A.	248, 296	Koblentz-Mishke, O. I.	231
Kheysin, Ye. M.	248	Kobozev, N. I.	129, 307
Khodakova, P. N.	120	Kobrin, M.	8
Khodzhayev, S.	21	Kobrin, M. G.	23
Khokhlov, A. S.	151	Koch, H.	217
Kholin, I.	10	Koch, W.	278
Kholin, I. I.	23	Kochegura, V. V.	308
Khomenko, L. A.	286	Kochendorfer, A.	277
Khrgian, A. Kh.	233	Kocherga, D. A.	248
Khudabasnev, K. A.	181	Kochergin, V. P.	156
Khudyakov, G. N.	292	Kochetkova, T. A.	248
Khurgin, Ya. I.	294	Kochetygov, N. I.	251
Khutski, G. I.	156	Koepchen, H. P.	261
Kibel', I. A.	232	Kogan, N. M.	158
Kibik, Stanislav	185	Kohler, A. K.	283
Kieninger, H.	210	Kohler, H.	213
Kiersnowski, Julian	50	Kohler, J.	313
Kiesel, K, L.	282	Kokis, P.	324
Kijak, Jacek	54	Kolakowski, Zygmunt	55
Kim, Yang-yul	85	Koldanov, V. Ya.	115
King, A.	284	Koldomasov, Yu.	20
Kirakosyants, G. A.	193	Kolic, Zlatko	43
Kirillin, V. A.	201, 303	Kollmann, K.	215
Kirillov, I. I.	203	Kollmar, A.	313
Kirillova, F. M.	300	Kolloch, Klaus	47
Kiris, I. D.	116	Kolobrodov, G.	197
Kiselev, M. I.	305	Kol oytsev, V. P.	2
Kiseleva, M. S.	230	Kolotyrkin, V. M.	295
Kishkin, S. T.	271	Kol'tsov, V. V.	302
Kiss, I.	290	Kolyasev, F.	232
Kiyoshi, Segawa	176	Komarik, Jozsef	187
Kkhol', F.	287	Kondashevskiy, V. V.	190
Klarding	215	Konev, G.	122
Klarner, H. F.	279	Konig, O.	170
Klauer, F.	315	Konobeyevski, S. T.	265
Kleinart, Th. N.	171	Konovalov, G. V.	233
Klimenko, G. A.	182	Konovalova, K. A.	2
Klimenko, V.	11	Konstantinov, A. S.	129
Klimenkov, A.	15	Kontorova, T. A.	308
Klinkow, W.	317	Konzett, H.	259
Klos, Oldrich	244	Kopetskiy, V.	287
Klotzbach, G.	283	Kopplin, H.	185
Klyvev, V. N.	153	Koptev, A. P.	235
Knauer, A.	45	Korde, N. V.	113
Knoche, Karl-Freidrich	165	Koretskiy, V.	34

(

Koril, M.	220	Krasovskiy, A. A.	180
Korionov, V.	34	Krasovskiy, N. N.	181
Kormendy, I.	223	Krasovskiy, V.	8
Kormilitsyn, R.	28	Krause, H.	186
Korobenyikov, V. G.	189	Kravchenko, V. S.	191
Korobkova, G. I.	235	Kravic, Veljko	44
Korobov, A.	21	Krein, O. E.	159
Korobov, I.	12	Krejcik, Z.	309
	246	Kremnev, L. Ya.	155
Koropov, V. M.	223	Krieger, F. J.	35
Koros, B.		- . •	277, 278
Korovushkin, A.	6	Krisch, A.	270
Korsunskaya, G. V.	230	Kriulin, A. V.	228, 280
Koryagin, A.	9	Kroger, C.	172
Kosa-Somogyi, I.	290	Kruger, Arnold	48
Kosel, W.	48	Kruger, Heinz	156
Kosenko, V. E.	286	Kruglov, A. N.	
Kosilov, V. V.	18	Krumbol'dt, M. N.	266 276
Kostenetskiy, K.	7	Krupkowski, A.	276
Kostenko, A. V.	270	Krushinskiy, L. V.	245
Kostomarov, D. P.	308	Ksenzhek, O.	160
Kostrikova, Ye.	. 26	Ksintaria, V.	11
Kostyuk, P. G.	246	Kuan, Feng	81
Kosulyayev, P. A.	243	Kudryashev, L. I.	293
Kosyakov, P.	7	Kudryavtsev, L. V.	269
Kotel'nikov, V.	322	Kuhlmann, A.	229
Kotlyarevskiy, I. L.	161	Kuhn, Richard	167
Kotlyarov, V. V.	193	Kuimov, D. K.	118
Kotter, L.	68	Kukharenko, T.	273
Kovalenko, I.	9	Kukharenko, T. A.	154
Kovalenko, L. M.	203	Kul'chitskiy, A. V.	232
Kovalenko, Ya. R.	254	Kulikov, A. N.	131
Kovalev, A. I.	25	Kulinat, H.	46
Kovalev, N.	15	Kullmann, A.	139
Kovda, V. A.	231	Kulonen, L. A.	305
Kovner, M. S.	300	Kul'pin, V. G.	198
Kovtun, P. G.	269	Kul'vets, P.	8
Kozhanchikov, I.	117	Kunen, Nikola Iv.	62
Kozlikov, V. P.	6	Kuo, Yang	80
Kozlov, P. M.	268	Kuperov, L. P.	235
Kozulin, N. A.	197	Kupriyenko, A.	3
Kozuma, H.	177	Kurkin, S. A.	266
Kozyrev, B. M.	180	Kurlyandskaya, E. B.	245
Kramer, H.	282	Kurosaki, S.	225
Krasavtsev, N. L.	196	Kurov, V. D.	110
Krasilnikov, P. K.	115	Kushner, S. G.	250
Krasnushkin, P. Ye.	232	Kushnirov, V. F.	227
VicelingilyTil L. 14.	274		

nacemental et ut			
Kuthe, F.	280	Legat, A.	281
Kuzina, A. M.	298	Le Goff, P.	164
Kuznetsov, A. B.	286	Lehmann, Helmut	281
Kuznetsov, I. V.	40	Lei, Mei	248
Kuznetsov, N. I.	194	Le Marie, H.	280
Kuznetsov, P. I.	182	Lenfeld, J.	161
Kuznetsov, Yu. A.	30	Lenin, I.	19
	8	Lennartz, G.	279
Kvasha, Ya.		_ *	220
Kvitkin, Yu. P.	253	Lenze, J.	87
•		Leonenko, I. A.	95
- L -		Leon-soh, Felice	
		Lepierre, Charles	133
Laborey, Fernand	209	Lermusiaux, E.	280
Laczkowski, Bohdan	51	Lesniewicz, L.	177
Lakhtin, Yu. M.	270, 271	Lesourne, J.	67
Lange, Oskar	326	Letavet, A. A.	149, 245
Langmann, H. G.	291	Letov, A. M.	181
Lanin, V.	157	Levanets, V. N.	250
Lapitskiy, A. V.	274	Levente, M.	59
Laporte, R.	133	Levin, É. E.	267
Laptev, Yu. P.	28	Levit, L. M.	181
Lapteva, D. G.	244	Levit, Pavel	62
Larin, I. V.	2	Levkin, V. A.	289
Larina, A. K.	123	Levshin, V. L.	306
Lasse, R.	171	Levykin, N.	10
Lastovetskiy, B. I.	24	Li, Chen-shen	132
Latour, A.	218	Li, Chu-chun	102
Laufberger, Vilem	66	Li, T'ien-min	80
Laurent, J. F.	311	Liese, W.	213, 313
Lavrenko, E. M.	113	Likhachev, G. N.	124
Lavrovskiy, G.	8	Limberg, P.	140
Laykhtman, D. L.	236	Lindblom, Carl Paul	207
Lazaroiu, Dumitru F.	56	Lindner, R.	173
Le, Ba Cap	91	Linnik, Yu. V.	243
Le, Dinh Khuyen	92	Liotti, Francesco Saverio	143
Le, Duan	92	Lipatov, N.	198
	88	Lipin, B. V.	268
Le, Hong	90	Lissner, O.	172
Le, Hong Tam	· ·	Litvin-Sedoy, M. Z.	195
Le, Phuong	89, 99		276
Le, Thanh Nghi	88	Litwora, A.	96
Lebedev, I.	19	Liu, Chia-tso	
Lebedev, K. B.	149	Ljunggren, K.	321
Lebedev, V. P.	158	Lo, Ch'eng-hou	105
Lebedeva, S. I.	273	Lob, H.	314
Lebedevich, N. F.	231	Loblowitz, J.	259
Leclercq, D.	162	Lobusevich, N. P.	149

Lefarov, A. Kh.

191

Kusmachev, I. K.

26

Lobzenko, V. I.	23	
Lodenkamper, Hans	259	
Loeschcke, H. H.	261	
Loffler, J.	313	
Lokay, V. I.	110	
Lokshin, V. A.	202	
Loktionov, E.	117	
Lomsky, Bohumir	64	,
Longinov, V. V.	237	
Lopatin, A. V.	28	
Lorenz, K.	279	
Lorincz, F.	136	
Loshak, A. Ya.	249	
Lozina-Lozinskiy, L. K.	296	
Lozinskiy, M. G.	271	
Lu, Chien-jan	103	
Lu, Tsu-chou	239	
Lubcke, E.	185	
Lubyako, G. N.	235	
Luccetti, L.	175	
Luchterhand, Willi	47	
Ludemann, K. F.	281	
Ludweig, F.	134	
Lueg, W.	278	
Lukianov, P. E.	159	
Lukirskiy, A. P.	299	
Luporini, Cesare	71	
Lur'ye, A. I.	199,	205
Lusiyevskiy, A. I.	25	
Lust, R.	112,	187
Lutsenko, B.	23	
Lutsevich, F. F.	253	
Lutz, F. A.	67	
Luu, Quang Hoa	90	
L'vov, N. S.	266	
Ly, Ban	88	:
	30	
Lyalev, Trayan	65	
Lyauskhin, A. V.	253	
Lysenko, T. D.	114	
Lysenko, V. D.	31	
Lyubich, Yu. I.	243	
Lyutsarev, S. V.	204	

-

ť

/			
- M -		Marshall, T. N. B.	229
		Martinelli, P.	319
Ma, Chien-yu	81	Martinson, Ye. N.	206
Ma, Hsiang-yung	81	Marushko, F. I.	183
Maag, F.	214	Masaleva, E. N.	267
Macher, Friedrich	47	Masami, Hamano	98
Machu, W.	284	Mashkevich, T.	322
Madatova, E. G.	305	Maslov, N. A.	113
Madonia, P.	174	Massabuau, Georges	258
Magnone, J.	325	Masse, P.	67
Magnus, A.	168, 173	Matare, H. F.	317
Maikopar, A. S.	193	Mateesca, Cristea	59
Mainzer, F. J.	314	Mathe, Georges	258
Maisky, I. N.	254	Matsumura, Yoichi	320
Majumdar, S. K.	280	Mattes, O.	139, 141
Mak, A. A.	234	Mattsson, S.	178
Makarchenko, O. F.	41	Matysina, Z.	274
Makar'yev, E. I.	25	Matzke, Hans-Joachim	173
Makarevich, V. N.	115	Mauri, L.	227
Makashev, S. D.	31	Mayer, C.	141
Makelt, H.	221	Mayevskiy, Viktor	79
Maksimov, I. V.	232	Maykapar, E.	35
Makunina, A. A.	37	Maze, M.	133
Makushok, M. E.	130	Mazingue, G.	310
Malecki, Ignacy	52, 327	Medeski, Branko	44
Malin, A. G.	227	Mednis, M. P.	118
Malkin, I.	20	Medvedev, A. S.	269
Malkin, V.	323	Medvedeva, G. B.	123
Malkin, V. L.	286	Meffroy-Biget	164
Malkumova, G. G.	250	Meimberg, J.	214
Maltese, P.	163	Meisser, O.	240
Mal'tsev, V.	16	Melekhov, V. V.	119
Malygin, M.	10	Meleshkin, S. M.	14
Mamayev, B. M.	131	Mellguist, H.	187
Mamedov, Sh.	11	Memet, G.	292
Mamedova, Z. N.	196	Menchinov, G.	8
Manukhin, A. S.	201	Merenkov, A. P.	29
Manus, C.	186	Merezhinskiy, M. F.	159
Marchenko, Yu. N.	192	Mering, J.	164
Margalef, R.	242	Merz, A.	219
Margolin, G. M.	249	Merz, G.	187
Marguardsen-Stahl	75	Merzon, A. G.	18
Margulies, Fred	71	Meshcheryakov, A. Ya.	127, 253
Marinescu, V.	59	Meshkov, N. V.	120
Markovich, M.	5	Meureur	229
Marotz, R.	312	Meyer, E.	187
Marshak, I. S.	183, 321	Meyer, F.	291

Marrill II	011		
Mey11, H.	211	Morozovskiy, V. T.	195
Mgebryan, O. I.	265	Moseyev, G. I.	202
Miescher, P.	258	Moshchinskiy, P.	248
Migay, V. K.	110,	Moskalenko, V.	8
	297	Mothes, K.	168
Mik, Jerzy	54	Motoda, S.	143
Mikeladze, Sh. E.	243	Motovilov, O. A.	207
Mikhailovskiy, A. B.	292	Motrov, A.	17
Mikhailovskiy, G. A.	201	Movshovich, S.	17
Mikhanovskiy, S. P.	6		
Mikhaylin, Ye. V.	25	Mudrik, V. I.	106
Mikhlin, E. Ya.		Muleshkov, Nikola	62
	295	Muller, A.	207
Mikoyan, A.	322	Muller, F.	138, 169
Milchenko, T. I.	244	Muller, German	241
Miletineanu, I.	59	Muller, N.	172
Militaru, P.	56	Muller-Hesse, H.	173
Millian, K.	316	Muneo, Katada	132
Minayev, P. F.	248	Muniz, J.	147
Minchev, Ya. Khr.	152	Muntianu, A. P.	269
Minh, Tranh	99	Murakawa, K.	320
Minkin, E. L.	121	Muranov, A. N.	254
Minkyavichyus, Ya.	38	Murat, V. P.	
Mironova, A. N.	130, 154		109
Miroshkina, E. M.	273	Muresan, T.	57
Miroshnichenko, B.		Murin, A. N.	288
	32	Muromtsev, A. M.	230
Miroshnikov, L. D.	237	Muromtsev, S. N.	256
Mirzoyeva, M. E.	248	Muser, A.	183
Miselyuk, E. G.	286	Musil, Jindrich	242
Mitrofanov, A.	22	Mustafin, Ch. G.	195
Mitsche, R.	283	Myagkova, E. I.	235
Miyakawa, M.	263	Myashnikov, A. S.	183
Mizeretskiy, N.	198	Myiazaki, T.	145
Mladenov, Nikolay	61	Myznikov, K. P.	286
Modin, S.	285	•	
Mogutnov, B. M.	286	N -	
Moh, Munir	83	·	
Molchanov, A.	112	Nachinkov, A. D.	270
Molchanov, Ye. I.	203	Nacken, N.	
Molochnikov, I.	12	Nadibaidze, Sh. G.	278
Monch, I.	168		122
Montel, P.	208	Nadolska, J.	177
		Nadtocheyeva, M. K.	33
Mordvintseva, A. V.	266	Nadzhar'yan, Zh.	16
Morosanov, I. S.	180	Nagao, F.	215, 224
Morozov, A.	8, 11	Nagy, Erno	323
Morozov, N. A.	189	Nakanishi, K.	225
Morozov, V. G.	300	Nakatani, T.	144
Morozova, I. P.	237	Nakhabin, V.	9
		• • • • • • • • • • • • • • • • • • •	-

••			
Nassonov, K.	196	Nishikawa, Tetsuji	224
Natta, G.	142	Nits, Yu. K.	25
Naumov, I.	13	Nitschke, G.	67
Naumov, N. P.	129	Nitschke, J.	211
Nazarova, N. M.	156	Niwa, T.	144
Nebel, P.	222	Noller, H. G.	220
Nechayev, G. A.	31	Noren, B.	226
Nechayev, I. A.	123	Novak, L.	247
Nefedov, V. D.	288	Novak, Otmar	45
Negovskiy, V. A.	246	Novatny, P.	289
Nehring, K.	168	Novik, D. A.	207
Neidhardt, P.	323	Novikov, A. N.	249
Neiman, M. B.	152	Novikov, N. N.	265
Nemazanyy, G.	24	Nowacki, Witold	
Nemitz, G.	262		327
Nerfin, Marc	76	Nowak, Karol	55
Nesmeyanov, A. N.	287	Nozhkina, I. A.	156
Nesterov, P.	12	•	
Neuhaus, M. E.		- 0 -	
	115	01 6	
Neumann, J.	49	Oberforster	136
Neymer, N.	20	Obolenskiy, K.	9
Nghiem, Xuan Yem	91	Obukhova, L. K.	156
Ngo, Minh	88	Ochs, R.	134
Nguyen, Chinh	92	Oding, I. A.	267
Nguyen, Con	88	Odone, G.	209
Nguyen, Dien	90	Oehm, E.	218
Nguyen, Dinh Thiem	94	Oertel, George W.	259
Nguyen, Duy Trinh	87	Oeters, F.	170
Nguyen, Si Ty	88	Oiks, G. N.	268
Nguyen, Thanh Bach	92	Oishi, Jun	320
Nguyen, Thien Vy	90	01', A. 1.	235
Nguyen, Thuong Hoa	90	Olaf, J.	312
Nguyen, Tuyen	88	Olendskiy, V.	156
Nguyen, Van Thi	91	Ol'shanskiy, N. A.	266
Nguyen, Van Tran	87, 93	Olsufiyev, N. G.	130
Nichiporovich, A.	239	Onlibin, S. A.	303
Nichiporovich, A. A.	128	Ooue, Shingo	321
Nielsen, Arthur	71	Orban, Sandor	66
Niese, H.	313	Ordukhanov, Sh. A.	40
Niesen, H.	137	Oreshko, V. F.	152, 153
Nikitina, S. M.	159	Orlov, A.	21
Nikkila, O.	133	Orlov, E. S.	
Nikolayev, L. A.	129	Orlovskiy, P. N.	252 154
Nikolayev, N. I.	295		154
Nikolov, Iv.	257	Osadchenko, I.	11
Nikol'skiy, G. V.	113	Osipov, A.	38
Nishibayashi, T.	143	Osipov, G. V.	189
Nishikado, G.		Osipov, K. A.	273
HISHIKAUU, U.	144, 145	Osipov, S. N.	157

Osiptsov, P. D.	6	Pehling, G.	261
Osse, L.	69	Pehling, Gundul	139
Ostanevich, Yu. M.	149, 286	Pein, Chung-yin	95
Oster, L.	241	Peiper, Albrecht	258
Ostrovchkuu, M. A.	179	Pena, Miguel A.	108
Ostrovidov, P. I.	252	Pennanen, Jarno	70
Ostrovskiy, V. Yu.	119	Peregud, E. A.	159
Ovcharenko, N. I.	182	Peregudov, V. V.	300
Ovchinnikov, A. V.	25	Perel'muter, A. S.	249
Ovsyannikov, M.	8, 38	Perovic, Punisa	62
Oyama, Y.	177	Perskis, N.	309
Oyama, Yoshitoshi	291, 320	Peschanski, D.	163
Ozerov, R. P.	267	Pessel, M.	9
•		Pestov, N. E.	130, 154
- P -		Peter, G.	216
		Peterburgsky, A.	121
Padrul, Z. Ya.	18	Petersen, Gert	70
Pahling, G.	139	Petinov, N.	128
Pakshver, A. B.	155	Petkov, Vut'o Ts.	61
Pal, L.	291, 292	Petrenko, F.	34
Pal'min, V.	157	Petrescu, C.	56
Pampuch, R.	170	Petrosyan, K.	10
Pan, V. M.	297	Petrov, A.	158
Panshin, I. B.	115	Petrov, G.	199
Paolillo, R.	163	Petrov, L. S.	31
Paoloni, Leonello	174	Petrov, Yu. V.	289
Papotti, G.	263	Petrova, M. V.	300
Parenago, P.	112	Petrucci, D. A.	120
Parodi, R. A.	142	Petruccioli, Claudio	71
Parrini, P.	174	Pevzner, I. Z.	305
Pasek, M.	161	Pfaff, W.	280
Pasere, P.	285	Pfau, R.	240
Pashkov, A.	33	Pfister, M.	185
Paszynski, Marian	51	Pfutzner, Boleslaw	50
Patteisky, K.	228	Pham, Lam	104
Paunovic, Ljubomir	225	Pham, Van Tiep	94
Pavlek, Veceslav	43	Phan, My	88
Pavlov, G.	42	Phan, Quang	92
Pavlovic, Branko	64	Phan, Thanh Nhan	104
Pavlovskaya, N. T.	294	Piatti, L.	284
Pavlushkin, N. M.	302	Pichugin, D. F.	196
Pchelin, V. A.	155	Pigulevskiy, G. V.	128
Pchelkina, M. A.	271	Pilovitskaya, V. N.	297
Pearson, J.	279	Pinegin, V. A.	197
Pechkovskaya, K. A.	154	Pipino, F.	263
Pecile, A.	263	Pipko, D.	326
Peetz, E.	218	Pirogov, Ye.	39

Pisarev, I.	14	Pozdniakov, Yu. F.	113
Piskunov, I. A.	129	Precht, B.	186
Pivovarov, V.	20	Prenzlow, H. G.	186
Plachy, E.	47	Prikhozhan, F.	9
Plaichinger, I.	312	Probatov, A. N.	126
Plaksin, A. I.	180	Procopovici, E.	225
Plaksin, I. N.	272	Prokazin, E. P.	120
Plechkina, M. A.	270	Prokhorov, A.	324
Plekhov, I. N.	197	Prokof'yeva-Bel'govskaya,	
Plentl, A.	258	A. A.	56, 119
	280	Proshin, P. I.	249
Plockinger, E.	200		265
Plyukhin, Dmitriy	A 7	Protod'yakonov, M. M.	203 294
Sergeyevich	43	Prudnikov, A. G.	
Po, I-po	81	Pruzinski, Zbigniew	54
Podgorodetskiy, E. K.	298	Pshezhetskiy, S. Ya.	296
Podzerko, V. A.	18	Ptasiewicz, Jan	54
Pogorzelski, S.	188	Pudovkina, I. A.	265
Pohl, G.	68	Pulat, A.	79
Pohl, P.	68	Putintsev, V.	13
Pohler, Horst	48		
Pointu, P.	310	- Q -	
Pokatayeva, T.	19	·	
Polikarpov, D. P.	195	Quantz, L.	138
Polivanov, K. M.	294	Quilico, S. A.	174
Polyak, A.	301	()	
Polyakov, D.	11	- R -	
Polyakova, O. A.	253	** -	
Polykovskiy, M. D.	252, 253	Rabes, Inge	172
	45	Rabinovich, M. S.	198
Polze, W.	215		195
Pomp, A.	13	Rabotnikov, Yu. N.	116
Ponarskiy, L. I.		Rabotnov, T. A.	170
Ponomarev-Stepnoy,	295	Radeker, W.	
N. N.	100	Radev, Simeon	43
Ponugayeva, A. G.	120	Radmacher, W.	228, 280
Popa, A.	285	Rado, San Dor	64
Popov, K. V.	152	Ragazzi, C. A.	262
Popov, Stoyko	61	Raguin, J.	311
Popov, V. N.	150	Raguzov, V.	27
Popov, Vladimir	15	Rahmann, J.	278
Popova, N. V.	249	Rahmel, A.	220
Popovic, Bozidar	44	Rambo, B.	146
Popyrin, L. S.	193	Rapoport, I. A.	115, 117
Poray-Koshits, M. A.	182	Raschke, K.	134
Pospelov, I. I.	25	Rasin, K.	114
Potapov, L. P.	39	Raskina, E. M.	296
Pouillard, E.	162, 209	Raskova, H.	117
Pous. J. W.	67	Rass, T. S.	126

Rasskazov, D. S.	303	Rovinskiy, R. E.	156
Rassmann, G.	219	Rowny, Kazimierz	156 52
Rassulov, A. M.	179	Royer, R.	163
Ratner, A. V.	301		
Ratner, L. S.	252, 253	Roytenberg, L. Ya.	199, 297
Ratner, S. I.	192	Rozanov, A. N.	231
		Rozenberg, A.	196
Razumikhin, V. N.	204	Rozenberg, V. M.	267
Rebelo, Domingos	76	Rozhkov, O. A.	269
Jose Soares	76	Rozkos, Miroslav	308
Rebuffet, P.	111	Rubanovich, D. I.	199
Redorchenko, I. M.	27 2	Rubel, M. P.	236
Regel', V. R.	157	Rubel', V. M.	255
Regendanz, P.	147	Rubtzov, I. A.	117
Rehn, J.	261	Rudakov, L. I.	292
Reinhart, F.	212	Rudnichenko, V. E.	267
Remez, E. Ya.	293	Ruiter, E.	167
Remezov, N. P.	121	Ruiz-Guinazu, A.	139
Reshchikov, V. P.	250	Rukosuyev, P.	26
Reusse, U.	141	Rumer, Z.	8
Reva, G.	20	Rummel, R.	229
Reznichenko, I.	3	Runturambi, F.	83
Reznik, I. D.	273	Rusinov, I.	191
Ribera, Jose	106	Ruska, H.	214
Richard, K.	166	Russo, N.	263
Richaud, H.	275	Rutes, V.	22
Rick, A.	67	Rutkevich, M. N.	35
Rickmann, H.	48	Ruzakov, V. V.	111
Rieder, W.	316	Ryakhin, V. A.	29
Riftin, L. P.	302	Rybakova, V. M.	200
Rinehin, L.	86	Rymalov, V.	19
Rinchinpilgee, B.	86	Ryss, I. G.	150
Ris, H.	171	Ryukhin, Yu. A.	288
Rixhon, V.	275	Ryuzo, Yamashita	84
Riznik, G. A.	110	Rzayev, A.	11
Rodier, J.	134		••
Roessler, H. P.	141	- S -	
Rokossowski, Zbigniev	55	2 6 2	
Rollwagen, W.	170	Sabinin, Yu. A.	196
Romanov, V. V.	205, 265	Sabinveskiy, B. V.	125
Rosenbusch, F.	259, 264	Sadekov, Boris	325
Rosenstock, H. G.	279		
Rosinski, Stanislaw	55	Sadoroshny, I. K.	312
Rossard, C.		Sadovskiy, G. I.	25
•	276 260	Sak-Shak, B. A. Saling, E.	189 250
Rotenshtein, B. F.	269	SEIL, E. O.	302
Rothlin, E.	259 224	Samoilov, V. N.	204
Rottenbacher, E.	224 70-	Sandström	67
Rovinskiy, A.	30ó	Sano, Y.	225

Sameona C	263	Cahanaak C	221
Sansone, G.	97	Schoneck, C.	142
Sanusi, Anwar	299	Schott, A.	278
Sarkisyan, V. S.		Schrader, A.	
Sarkozy, Geza	188	Schreiner, H.	218
Sarpe, N.	57	Schriever, K.	281
Sarychev, V. M.	307	Schuchardt, A. G.	49
Sasaki	98	Schuller, P.	227
Satoshi, Mito	132	Schult, Otto	318
Sauer, H.	214	Schulte, K. E.	138
Sauerwald, Franz	172	Schultes, K.	217
Saushin, F.	36	Schultze-Rhonhof, D. H.	216
Savel'yev, A.	12	Schulz	215
Savel'yve, N.	19	Schumacher, S.	258
Savilov, A. I.	125	Schurmann, E.	218
Savitskiy, Ye. M.	297	Schwarz, E.	227
Sayasov, Yu. S.	287	Schwarz, G.	165
Saygel, A. G.	180	Schwiete, H.	173
Sbrolli, P. L.	175	Scloveichik, I. E.	270
Sbrolli, W.	224	Secomski, Kazimierz	52
Scarpati, R.	318	Sedel'nikov, G.	157
Schaechter, A.	58	Seeman, J.	212
Schaefer, H.	261	Segh ezzi, H.	284
Schaefers, W.	218	Seibel, G.	319
Schall, R.	321	Seiichi, Ishida	99
Scharmann, A.	314	Sejneski, H.	321
Scharrer, K.	241	Selbirak, T.	55
Scheffer, F.	134	Semenchenko V. K.	
Scheil, E.	284	Semenenko, V. E. Semenov, B. N. Semenov, N. I.	129 128
Scheler, R.	172	Semenov, B. N.	249 194
Schenck, Rudolf	172	Semenov, S. M.	125
Scherm, O.	261	Semenova, L. M.	131
Scheunert, A.	135	Semenova, O. P.	300
Schilling, Gerhard	47	Semikhatova, O. A.	150
Schleglova, M. D.	199	Semiokhin, I. A.	307
Schluter, A.	112, 187	Senik, P. M.	302
Schluter, H.	317	Serenkov, G. P.	120
Schmerson, G.	222	Sergeyev, A.	322
Schmidt, Berndt	316	Sergeyev, P.	22
Schmidt, F.	211	Sergeyev, V. A.	253
•	171	• •	255 11
Schmidts, W.	171	Serov, G.	191
Schmitz, F.	142	Serov, V. I. Severtsov, A. N.	249
Schmutz, W.		•	
Schneider, Georges	209	Shagdarsuren, M.	85 251
Schoberl, A.	283	Shaginyan, V. S.	251
Schon, R.	219	Shagoyan, F. S.	33

Shakhnazarov, G.	38	Siegert, Gisela	260
Shantarovich, P. S.	305	Siegert, Rudolf	260
Shao, T'ieh-chen	96	Sifferlen, R.	274
Shapiro, F. B.	120	Silber, P.	164
Shaposhnikov, Ye.	4	Silin, V. P.	304
Shapoval, I. M.	1	Siljak, Miodrag	24
Sharapova, S.	, 5	Simachev, D. K.	29
Shardakov, V. S.	117	Simanov, Yu. P.	274
Shashkov, Z. A.	24	Simon, J.	208
Shatilov, A.	16	Simon, W.	139
Shatrovskiy, L. I.	184	Simonov, I. M.	235
Shavlovich, M.	30	Simonov, P. D.	152
Shchedrin, N.	4, 5	Sinabell, J.	168,281
Shcheglov, S. N.	233	Sindeyeva, N. D.	149
Shchekin, N. N.	33	Singer, F.	217
Shchennikova, A. A.	270	Singer, S. S.	217
Shcherbakov, Yu. A.	159	Sinha, R.	212
Shcherbinovskaya, T. N.		Sirotin, Yu.	301
Sheindlin, A. E.	303	Sisin, A. G.	194
Sheleikhovskiy, G. V.	247	Sivakov, N. K.	237
Sherentsis, A. N.	181	Skalon, O. I.	125
Shevchenko, Ye. P.	1	Skoroshchinskiy, V. F.	24
Sheynkman, A. G.	203	Skrivanek, Jiri	207
Shileika, V.	205	Skuin, K.	282
Shishova, N. A.	233	Skvortsov, A. V.	198
Shitarev, G.	34	Slepowronski, Jan	50
Shizuo, Takashima	131	Slesarenko, V. V.	255
Shliapnikova, I. A.	305	Slinkin, A. A.	152
Shlyakhov, A.	3	Slutskiy, S.	4
Shlyk, A.	151	Slyusarev, G. G.	293
Shlykov, V.	9	Smirnov, A.	274
Shomron, B.	291	Smirnov, A. D.	252
Shpital'nikov, K. F.	303	Smirnov, A. V.	270
Shteinberg, S. E.	116	Smirnov, K.	28
Shubenko-Shubin, L. A.	*	Smirnov, M. P.	267
Shubin, V. A.	253	Smirnov, S. A.	160
Shubina, N. V.	16	Smirnova, N. P.	250
Shul'gin, V. N.	106	Smolenskiy, K.	7
Shuster, K.	210	Snastin, V.	34
Shvets, I. T.	191	S'ney, Moshe	78
Sichikov, M. F.	6	Snitserov, Yu. V.	155
Sidorenkov, N. S.	234	Sobolev, S. L.	304
Sidorov, N. S.	32	Soboleva, M. V.	265
Siebel, E.	215	Sobolevski, Marian	50
Siegenthaler, H.	284	Sochting	142
orekentuarer, u.	404	OCCUETING	174

Soedjono, Ibnoe	83	Steinhoff, E.	222
Sohne, W.	136	Steklov, V. A.	297
Sokalski, Kazimierz	54	Stelian, Radu	58
Sokolri, A. G.	206	Stel'makh, V. P.	205
Sokolov, B. P.	195	Stepanov, A. A.	150
Solomkin, P. S.	252	Stepanov, A. V.	288
Solomko, P. A.	251		306
Solov'yev, A. I.	37	Stepanov, B. I. Stepanov, L.	19
Solovyev, A. N.	219	• • • • • • • • • • • • • • • • • • •	253
Solov'yev, N. A.	271	Stepanov, P. A.	253 252
Solov'yev, P. M.	192	Stepanova, N. G.	252 251
Soltyk, V.	323	Stepanova, R. I. Stephanovskiy, B. S.	110
Sominskiy, M. S.	199		50
Sommer, S.	166	Stepniak, Henryk	
Sommerfeld, A.	186	Stienen, Gerd	259
Soreanu, Valeriu	57	Stocker, 0.	137
Sorin, Ya.	325	Stolp, H.	134
Sorio, V.	174	Stopporka, P.	49
Sorokin, Yu. A.	296	Stoyan, Konstantin	60
Soskin, I. M.	236	Strackenbroch, K.	134
	76	Strakhov, B. V.	158
Sow, Adbourahmane	217	Stremovsky, L. I.	301
Spangenberg, D.		Strole, D.	187
Spath, W.	277	Strus, Anastazja	65
Speidel, H.	211	Studitskiy, A. N.	114
Speranskaya, G. V.	273	Stukalov	200
Sperling, E.	213	Stupnikov, S. D.	160
Spiegelberg, H.	166	Styro, B.	286
Spiegelberg, K.	282	Su, Hsiao-hsing	96
Spitsyn, V. V.	266	Su, P'ei	96
Springer, Tasso	291	Subbotin, V. I.	304
Stadelmaier, H. H.	284	Sudrab, V.	27
Staedel, W.	215	Sugawa, K.	285
Stahmer, A. M.	240	Sugita, Ichiji	101
Stalfelt, M.	137	Sugiyama, Noboru	175
Stamov, G.	15	Sui, P'ien	103
Stancescu, I. D.	58	Sukach, S. A.	190
Stancu, Vasile	188	Sukhanov, V. M.	13
Stankov, B.	62	Sulzer, Gebruder	291
Stanoyev, Stoyu	61	Sung, Ts-ch'uan	238
Stanyukovich, A. V.	269	Surbinova, Iv.	42
Starostenko, N. T.	245	Suri, B. R.	136
Starovskiy, V. N.	31	Sustmann, C.	214
Staufer, Juergen	63	Susuki, S.	144
Steeger, Horst	.47	Suvorova, L.	32
Stehlin, Paul	73	Svasek, J. N.	242
Steinhards, O.	220	Svehla, G.	315
-		•	

Svetovidov, A. N.	126	Taube, M.	289
Svistunova, T. V.	271	Taune, Pavel	58
Sydow, G.	215	Taurin'sh, E. Ya.	124
Syrkin, Ya. K.	307	Tavrizov, V. M.	25
Syroechkovskiy, E.	130	Teichmuller, M.	228
Syskov, K. I.	266	Telesov, S. A.	272
Szabo, F.	58	Teltow, J.	173
Szabo, Z.	174	Temchin, Ye.	8
Szarek, Jan	64	Teodorescu, T.	225
Szava, J.	174	Tereshkov, A. A.	203
Szawdyn, Jerzy	55	Ter-Martirosyan, K. A.	290
Szerwentke, Aleksander	52	Terpigorov, A. M.	265
Szeworska, Ludmila	327	Tessari, L.	263
Sziraki, B.	219	Tester, K. G.	213
Szollosy, Iaszlo	223	Thaler, H.	172
Szucht, E.	225	Thees, R.	220
Szulkin, P.	188	Thomas, Stephan G.	63
oudinan,		Thorwald, Jurgen	74
+ T -		Tikhomolova, K. P.	305
-		Tikhonov, B. S.	273
Tabio, Fernando		Tikidzhiyev, R.	22
Alvarez	108	Timmel, Hans	138
Tai, Tzu-ying	257	Timo, G.	275
Takahashi, R.	228	Timofeyev, B. I.	152
Takahashi, Takehiko	176	Tishchenko, V. E.	160
Takamuka, M.	216	Titov, G. S.	323
Takaroi, Shuji	263	Tjugito	83
	98	Tochigin, A. A.	194
Takechiyo, Uchino	264	Togel, Martin	172
Takikawa, Hiroo	127	Toka, Ngjeli	61
Taliyev, D. N.	296	Tolokonnikov, L. A.	195
Taliyev, V. N.	287	Tolstikhin, O. N.	232
Tal'roze, V. L.	320	Tomilovskiy, G. E.	157
Tamaru, Minoru	224	Topor, V. V.	59
Tamiji, S.	315	Topunov, A. M.	203
Tamm, Ig.	224	Torras, Jacinto	107
Tanabe, K. Tanaka, Jiro	224	Torgovkina, E.	116
Tanaka, M.	175	Torricelli, G.	174
T'ang, P'ing-chu	81	Toubi, Tawfix	78
Tao, Keizai Kenkyukai	84	Tran, Ngoc Canh	93
T'ao, Tsu-ts'ung	297	Tran, Ngoc Hien	89
Tarasov, L. V.	289	Tran, Phuong	89
Tarasov, P. P.	125	Tran, Quynh	87
•	280	Tran, Van Giau	100
Tarmann, B. Taschow, Hans-Joachim	172	Tran, Van Hien	93
=	65	Tran, Xuyen	92
Tasic, Sima	UJ	a a weight trong and	

Trembach, V. V.	183	- U -	
Trenkler, H.	279		
Trentini, B.	208	Ueckermann, E.	134
Tresvyatskiy, S. G.	161	Ugolev, B. N.	192
Tribulev, G. P.	254	Ugrinovich, D.	38
Trisvyatskiy, L. A.	2	Uledov, A. K.	40 ,
Trofimova, A. A.	267	Ulitskiy, I.	191
Trofimova, I. V.	149	Ullrich, K. J.	261
Troll, C.	137	Ullrich, Karl J.	139
Tronieri, A.	263	Unrug, Jerzy	54
Trubitsyna, G. A.	120	Unterberger, M.	217
Trusov, A.	21	Urban, P.	312
Tsakhayev, G. A.	123	Urbig, P.	46
Ts'ao, Yu.	102	Urupov, A. K.	231
Tschamler, H.	167	Ushakov, N. V.	306
Tselikov, A.	20	Ushijima, K.	285
Tselikov, A. I.	198	Uspenskaya, V.	2
Tseytlin, I.	8	Uspenskiy, S. M.	125
Tsiklauri, I. D.	205	Utepov, K. Sh.	24
Tsitovich, A. P.	183	•	
Tsitovich, T. A.	234	- V -	
Tsubina, M. G.	114		
Tsuda, S.	216	Vabel', Ya. I.	149
Tsujimura, K.	144	Vainer, A. L.	181
Tsumara, S.	284	Vakhitov, G.	15
Tsung, Hsien-chiu	257	Vakhtel, V. U.	204
Tsuruta, Tadao	319	Vakshul', N.	12
Tszi-Lyon	266	Valensi, V.	164
Tueda, M.	319	Valentey, D.	38
Tumashev, G. G.	300	Valyuzmenich, Ye.	17
Tunitskiy, N. N.	295	Van, Xuyen	91
Turchin, V. F.	288	Vanchikov, A. N.	200
Turkevich, Nikolay		Van der Paauw, F.	147
Mikhaylovich	150	Van Duin, H.	161
Tuzu, Constantin	57	Vanecek, J.	117
Tyagunenko, V.	19	Van Lieshout, J. W.	148
Typpo, Sula A.	73	van Overbeke, M.	310
Tyryshkin, V. G.	13	Vanyashova, A.	39
Tyuryakov, A. F.	14	Vanyukov, M. P.	234, 308

Vanyushina, Z. S.	160	Vlasenko, G.	15
Vareshi, V.	146	Vlasov, V. P.	3,8
Vargaftik, N. B.	308	Vlasov, V. Z.	191
Varshavskiy, G. M.	255	Vlasovk-Lasuk, O. B.	110
Vartanyan, A. T.	297	Vlodavets, V. V.	250
Vartapetyan, S.	16	Vochin, D.	59
Vasil'chikov, M.	20	Vocht, R.	314
Vasilevskiy, K. P.	230	Vogel, Erhard	46
Vasil'yev, A. A.	29	Vogel, R.	. 278
Vasil'yev, B.	18	Voitenko, R. M.	296
Vasil'yev, B. L.	205	Voleisang, E.	143
Vasil'yev, S. Ye.	182	Volk, J.	138
Vasil'yev, V. I.	321	Volkonskiy, B. V.	31
Vasil'yeva, G. L.	233	Volkov, A.	22
Vasserman, Ya.	2	Volkov, G. I.	154
Vasseur, J. P.	185	Volkov, V. V.	305
Vasyutinskiy, Yu. P.	33	Volosnykh, N. A.	183
Vatsek, A.	247	von Ardenne, Manfred	261
Vavilov, A. A.	197	von Bertalanffy, Ludwig	134
Vavilova, T. I.	304	von Bogdandy, L.	218
Vehmeier, Heinrich	222	von der Steinen, A.	166
Velichkin, A. I.	182	von Kluber, H.	241
Velichkin, N.	15	von Konigslow, D.	277
Veller, V. N.	193, 201	Vorlaender, K. O.	258
Veltin, A.	261	Vorob'yev, V.	230
Veltistova, M. V.	160	Vorontsov, C. S.	264
Ventskevich, G. Z.	230	Vorontsov, N. M.	273
Verge, J.	276	Vorwerk, Werner	47
	207	Voskresenskiy, S.	198
Vesela, Marie	10		236
Veselkov, F.	165	Voyeikova, A. I.	89
Vetter, Klaus J.	211	Vu, Cong Hsu	94
Vieweg, H.	155	Vu, Hoan	89
Vigdergauz, M. S.		Vu, Quoc Tuan	104
Vikhrenko, V.	36 78	Vu, Quy Mao	294
Vilvenska, Esther		Vulis, L. A.	43
Vilyanskaya, Ye. D.	203 35	Vulkov, Iliya	154
Vincent, Jean		Vvedenskaya, T. E.	301
Vinogradov, A. P.	312	Vysochanskiy, A. S.	301
Vinogradov, G. A.	272		
Vinokurov, V. A.	266		
Vinski, Ivo.	44		
Vishkarev, A. F.	268		
Vitushkin, A.G.	243		
Vladimirova, A. D.	128		
Vladychenskaya, N. S.	120		

Wagner, Herbert,	111	Yaari, Meir	78
Waldschmidt, E.	282	Yagodinskiy, V. N.	256
Walisch, W.	163	Yagunov, V. A.	152
Wandel, M.	214	Yakovkin, A. A.	153
Wannier, G.	312	Yakubovich, V. A.	181
Wasserbach, W.	217	Yalin, Izzet Riza	66
Watanabe, I.	144	Yampol'skiy, V. M.	192
Watanabe, K.	144	Yamsoka, H.	319
Weber, P.	219	Yanin, V. Ye.	5
Wegener, K.	314	Yano, T.	225, 320
Weide, R.	317	Yanson, F.	4
Weill, G.	319	Yashek, L.	12
Weisadler, H.	77	Yastrebov, M. T.	117
Wenzel, K.	186	Yatsyn, V. K.	158
Wergin, W.	314	Yavoiskiy, V. I.	268
Werner, H.	68	Yazdovskiy, V. I.	118, 323
Wesselak, F.	187	Yefanov, N.	12
Wessely, F.	312	Yeger, S.	36
White, F. E.	276	Yegorov, P.	21
Widegren, A.	226	Yeh, Sheng	96
Wiedemann, E.	313	Yen, Chung-p'ing	326
Wiegand, H.	214	Yermolenko, N.	30
Wiester, H. J.	169	Yermolina, N. M.	14
Wilfinger, H.	221	Yeroshenko, V. M.	189
Winnacker, K.	316	Yin, Hung-chang	105
Winzer, G.	218	Yu, Chien-chang	238
Wojciechowski, W.	188	Yuganson, E. Yu.	183
Wolf, Paul	47	Yurenev, R.	34
Wolf, W.	217	Yvon, J.	309
Wollast, R.	274	Yygi, A. Yu.	123
Wormer, T.	134		
Wu, Chien-min	95		•
Wyss, T.	217		
Wyszomirski, Tadeusz	55		

_ Y _

Xercavins, P. 208

	- Z -	
	Zabelok, B. G.	36
	Zablotskiy, M. A	113
	Zaborenko, K. B.	287
	Zabrodskiy, S.	298
	Zacynski, Eugeniusz	53
	Zagudayeva, R. A.	234
	Zahradnik, R.	161
	Zaidel, A.	292
	Zaidel, A. N.	299
	Zak, L. A.	244
	Zakharov, A.	10
	Zalenskiy, O. V.	150
	Zapp, F. J.	169
	Zaretskiy, I. I.	250
	Zaslavskiy, S. S.	18
	Zavodovskiy, A. M.	202
	Zav'yalov, P. V.	254
	Zayets, T. L.	251
	Zelentsov, A.	36
	Zelikman, A. N.	159
	Zemskov, E. Zemskov, G. V. Zhemkov, L. I.	302
	Zemskov, G. V.	271
	Zhemkov, L. I.	293
	Zhevnovatyi, A. I.	305
	Zhidkova, I.	306
	Zhigulin, V. I.	5
	Zhmurin, L.	127
	Zhokhovskiy, M. K.	204
	Zhukauskas, A. A.	298
	Zhukovskiy, P. M.	121
	Zhyugzhda, I. I.	298
	Ziebland, H.	290
	Ziegler, E.	317
	Ziegler, H.	211
	Zienkowski, L.	54
	Zilber, L. A.	254
	Zingl, H.	312
•	Zlobin, I.	6

*This index does not include authors listed in the cover-to-cover table of contents.

Zlokovic, V. Zoli, M. T.

Zollinger, R. Zolotarev, T. L.

Zolotykh, E. V. Zonsveld, J. J.

Zorawski, M.

Zorin, N. A.

Zorin, Yu. N.

Zotov, A. P.

Zotov, V.

Zozulin, G.

Zscherpe, S.

Zubko, A. M.

Zusmanovich, L. B.

60 318

> 304 168

> 321

24

266

255

252

115

46

152

193

218, 221 193 UNCLASSIFIED Central Intelligence Agency



7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

Moncy Lator Sergio N. Alcivar

Chief, CIA Declassification Center, Declassification Review and Referral Branch

Enclosures:

- 1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
- 2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)



Processing of OGA-Held CIA Documents



The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

OGA Doc ID Job Num Box Fidr Doc	Job Num	Вох	Fidr	Doc	Doc ID	Document Title	Pub Date Pages	Pages	Decision	Proc Date
AD0834505	78-03109A	49	-	<u></u>	36	Consolidated Translation Survey For December 1960	12/1/1960	240	Approved For Release	3/25/2004
AD0834506	78-03109A	49	-	2	37	Consolidated Translation Survey For January 1961	1/1/1961	318	Approved For Release	3/25/2004
AD0834340	78-03109A	49	-	က	38	Consolidated Translation Survey For February 1961	2/1/1961	363	Approved For Release	3/25/2004
AD0834341	78-03109A	49	-	4	39	Consolidated Translation Survey For March 1961	3/1/1961	506	Approved For Release	3/25/2004
AD0834342	78-03109A	49	-	2	40	Consolidated Translation Survey For April 1961	4/1/1961	411	Approved For Release	3/25/2004
AD0834343	78-03109A	49	-	9	41	Consolidated Translation Survey For May 1961	5/1/1961	327	Sanitized	3/25/2004
AD0834344	78-03109A	49	-	7	42	Consolidated Translation Survey For June 1961	6/1/1961	364	Approved For Release	3/25/2004
AD0834345	78-03109A	49	-	8	43	Consolidated Translation Survey For July 1961	7/1/1961	303	Approved For Release	3/25/2004
AD0834346	78-03109A	20	-	-	44	Consolidated Translation Survey For August 1961	8/1/1961	349	Approved For Release	3/25/2004
AD0834347	78-03109A	20	_	2	45	Consolidated Translation Survey For September 1961	9/1/1961	536	Approved For Release	3/25/2004
AD0834348	78-03109A	20	-	ဇ	46	Consolidated Translation Survey For October 1961	10/1/1961	252	Approved For Release	3/25/2004
AD0834349	78-03109A	20	-	4	47	Consolidated Translation Survey For November 1961	11/1/1961	285	Approved For Release	3/25/2004
AD0834350	78-03109A	20	-	2	48	Consolidated Translation Survey For December 1961	12/1/1961	362	Approved For Release	3/25/2004
AD0834351	78-03109A	20	-	9	49	Consolidated Translation Survey For January 1962	1/1/1962	341	Approved For Release	3/25/2004
AD0834352	78-03109A	20	-	7	20	Consolidated Translation Survey For February 1962	2/1/1962	323	Approved For Release	3/25/2004
AD0834353	78-03109A	51	-	-	51	Consolidated Translation Survey For March 1962	3/1/1962	401	Approved For Release	3/25/2004
AD0834354	78-03109A	51	-	2	52	Consolidated Translation Survey For April 1962	4/1/1962	423	Approved For Release	3/25/2004
AD0834355	78-03109A	51	-	က	53	Consolidated Translation Survey For May 1962	5/1/1962	387	Approved For Release	3/25/2004
AD0834356	78-03109A	51	- ,	4	54	Consolidated Translation Survey For June 1962	6/1/1962	391	Approved For Release	3/25/2004
AD0834357	78-03109A	51		2	55	Consolidated Translation Survey For July 1962	7/1/1962	396	Approved For Release	3/25/2004
AD0834358	78-03109A	51	-	9	99	Consolidated Translation Survey For August 1962	8/1/1962	475	Approved For Release	3/25/2004
AD0834359	78-03109A	52	-	-	22	Consolidated Translation Survey For September 1962	9/1/1962	245	Approved For Release	3/25/2004
AD0834360	78-03109A	52	-	5	28	Consolidated Translation Survey For October 1962	10/1/1962	228	Approved For Release	3/25/2004
AD0834361	78-03109A	25	-	က	29	Consolidated Translation Survey For November 1962	11/1/1962	274	Approved For Release	3/25/2004
AD0834362	78-03109A	52	-	4	09	Consolidated Translation Survey For December 1962	12/1/1962	265	Approved For Release	3/25/2004
AD0834363	78-03109A	52	-	cs	61	Consolidated Translation Survey For January 1963	1/1/1963	270	Approved For Release	3/25/2004